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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
 (without alignments)  
 31.770 Million cell updates/sec

Title: US-09-643-260-2  
 Perfect score: 40  
 Sequence: 1 LDWSWL 6

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

Database : Issued Patents AA:\*  
 1: /cgn2\_6/ptodata/2/iaa/5A COMB.pep.\*  
 2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*  
 3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*  
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 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
 score greater than or equal to the score of the result being printed,  
 and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	40	100.0	745	2	US-08-887-518-3
2	40	100.0	745	2	US-09-023-321-3
3	40	100.0	745	2	US-08-890-853-4
4	40	100.0	745	2	US-09-032-475-3
5	40	100.0	745	2	US-09-039-125A-4
6	40	100.0	745	2	US-09-099-124A-4
7	40	100.0	745	3	US-09-032-476-4
8	40	100.0	745	3	US-08-890-854-4
9	40	100.0	745	3	US-09-023-324-4
10	40	100.0	745	3	US-09-168-629-2
11	40	100.0	745	3	US-08-910-820-10
12	40	100.0	745	3	US-08-810-131A-2
13	40	100.0	745	4	US-09-109-986-4
14	40	100.0	745	4	US-09-844-908-10
15	40	100.0	745	4	US-09-868-758-3
16	40	100.0	756	2	US-08-887-518-4
17	40	100.0	756	2	US-09-023-321-4
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20	40	100.0	756	2	US-09-099-125A-2
21	40	100.0	756	2	US-09-099-124A-2
22	40	100.0	756	3	US-09-032-476-2
23	40	100.0	756	3	US-08-890-854-2
24	40	100.0	756	3	US-09-023-324-2
25	40	100.0	756	3	US-09-168-629-15
26	40	100.0	756	3	US-08-910-820-9
27	40	100.0	756	4	US-09-109-986-2

28 40 100.0 756 4 US-09-844-908-9 Sequence 9, Appli  
 29 40 100.0 756 4 US-09-868-758-4 Sequence 4, Appli  
 30 40 100.0 996 4 US-09-417-197-123 Sequence 123, App  
 31 40 100.0 997 4 US-09-417-197-121 Sequence 121, App  
 32 36 90.0 100 1 US-08-241-853-28 Sequence 28, Appl  
 33 36 90.0 100 1 US-08-241-853-29 Sequence 29, Appl  
 34 36 90.0 100 2 US-08-850-917-28 Sequence 28, Appl  
 35 36 90.0 100 2 US-08-850-917-29 Sequence 29, Appl  
 36 36 90.0 242 4 US-09-345-2368-3 Sequence 3, Appli  
 37 36 90.0 334 4 US-09-252-991A-22395 Sequence 22395, A  
 38 36 90.0 408 4 US-09-489-039A-12523 Sequence 12523, A  
 39 36 90.0 454 4 US-09-252-991A-28780 Sequence 28780, A  
 40 36 90.0 616 3 US-09-136-574A-47 Sequence 47, Appl  
 41 36 90.0 968 4 US-09-751-389-6 Sequence 6, Appli  
 42 36 90.0 982 2 US-08-673-789-4 Sequence 4, Appli  
 43 36 90.0 983 1 US-08-162-809-16 Sequence 16, Appl  
 44 36 90.0 983 1 US-08-167-919A-10 Sequence 10, Appl  
 45 36 90.0 983 2 US-08-449-645A-21 Sequence 21, Appl

## ALIGNMENTS

RESULT 1  
 US-08-887-518-3  
 ; Sequence 3, Application US/08887518  
 ; Patent No. 5843721  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rothe, Mike  
 ; APPLICANT: Wu, Lin  
 ; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
 ; STREET: 268 BUSH STREET, SUITE 3200  
 ; CITY: SAN FRANCISCO  
 ; STATE: CALIFORNIA  
 ; COUNTRY: USA  
 ; ZIP: 94104  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/887,518  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: OSMAN, RICHARD A  
 ; REGISTRATION NUMBER: 36,627  
 ; REFERENCE/DOCKET NUMBER: T97-008  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (415) 343-4341  
 ; TELEFAX: (415) 343-4342  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 745 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; US-08-887-518-3

Query Match 100.0%; Score 40; DB 2; Length 745;  
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
 Db 738 LDWSWL 743

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RESULT 2
US-09-023-321-3
; Sequence 3, Application US/09023321
; Patent No. 5844073
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; APPLICATION NUMBER: US/09/023,321
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,518
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-023-321-3

Query Match 100.0%; Score 40; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6
Db 738 LDWSWL 743

RESULT 3
US-08-890-853-4
; Sequence 4, Application US/08890853
; Patent No. 5851812
; GENERAL INFORMATION:
; APPLICANT: Goeddel, David V.
; APPLICANT: Woronicz, John
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-890-853-4

Query Match 100.0%; Score 40; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6
Db 738 LDWSWL 743

RESULT 4
US-09-032-475-3
; Sequence 3, Application US/09032475
; Patent No. 5854003
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/032,475
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,518
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-032-475-3
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Query Match 100.0%; Score 40; DB 2; Length 745;  
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 Db 738 LDWSWL 743

RESULT 5  
 US-09-099-125A-4  
 ; Sequence 4, Application US/09099125A  
 ; Patent No. 5916760  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Goeddel, David V.  
 ; APPLICANT: Woronicz, John  
 ; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
 ; STREET: 268 BUSH STREET, SUITE 3200  
 ; CITY: SAN FRANCISCO  
 ; STATE: CALIFORNIA  
 ; COUNTRY: USA  
 ; ZIP: 94104  
 ; COMPUTER READABLE FORM:  
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 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
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 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/890,853  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: OSMAN, RICHARD A.  
 ; REGISTRATION NUMBER: 36,627  
 ; REFERENCE/DOCKET NUMBER: T97-006-1  
 ; TELEPHONE: (415) 343-4341  
 ; TELEFAX: (415) 343-4342  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 745 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; US-09-099-125A-4

Query Match 100.0%; Score 40; DB 2; Length 745;  
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 Db 738 LDWSWL 743

RESULT 6  
 US-09-099-124A-4  
 ; Sequence 4, Application US/09099124A  
 ; Patent No. 5939302  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Goeddel, David V.  
 ; APPLICANT: Woronicz, John  
 ; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:

ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
 STREET: 268 BUSH STREET, SUITE 3200  
 CITY: SAN FRANCISCO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
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 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
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 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/890,853  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OSMAN, RICHARD A.  
 REGISTRATION NUMBER: 36,627  
 REFERENCE/DOCKET NUMBER: T97-006-1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 343-4341  
 TELEFAX: (415) 343-4342  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 745 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-09-099-124A-4

Query Match 100.0%; Score 40; DB 2; Length 745;  
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 Db 738 LDWSWL 743

RESULT 7  
 US-09-032-476-4  
 ; Sequence 4, Application US/09032476  
 ; Patent No. 6235492  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rothe, Mike  
 ; APPLICANT: Cao, Zhaodan  
 ; APPLICANT: R gnier, Catherine  
 ; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
 ; NUMBER OF SEQUENCES: 5  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
 ; STREET: 268 BUSH STREET, SUITE 3200  
 ; CITY: SAN FRANCISCO  
 ; STATE: CALIFORNIA  
 ; COUNTRY: USA  
 ; ZIP: 94104  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/032,476  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/890,854  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:

NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-032-476-4

Query Match 100.0%; Score 40; DB 3; Length 745;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
Db 738 LDWSWL 743

RESULT 8  
US-08-890-854-4  
Sequence 4, Application US/08890854  
Patent No. 6235512  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
APPLICANT: Cao, Zhaodan  
APPLICANT: R gnier, Catherine  
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/890,854  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-890-854-4

Query Match 100.0%; Score 40; DB 3; Length 745;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
Db 738 LDWSWL 743

RESULT 9  
US-09-023-324-4  
Sequence 4, Application US/09023324  
Patent No. 6235513  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
APPLICANT: Cao, Zhaodan  
APPLICANT: R gnier, Catherine  
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023,324  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/890,854  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-023-324-4

Query Match 100.0%; Score 40; DB 3; Length 745;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
Db 738 LDWSWL 743

RESULT 10  
US-09-168-629-2  
Sequence 2, Application US/09168629  
Patent No. 6242253  
GENERAL INFORMATION:  
APPLICANT: Karin, Michael  
APPLICANT: DiDonato, Joseph A.  
APPLICANT: Rothwarf, David M.  
APPLICANT: Hayakawa, Makio  
APPLICANT: Zandi, Ebrahim  
TITLE OF INVENTION: Ikb Kinase, Subunits Thereof, and Methods of Using Same  
FILE REFERENCE: P-UD 3295  
CURRENT APPLICATION NUMBER: US/09/168,629  
CURRENT FILING DATE: 1998-10-08  
EARLIER APPLICATION NUMBER: 60/061,470  
EARLIER FILING DATE: 1997-10-09  
NUMBER OF SEQ ID NOS: 20



; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 745  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-168-629-2

Query Match 100.0%; Score 40; DB 3; Length 745;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
Db 738 LDWSWL 743

RESULT 11  
US-08-910-820-10  
; Sequence 10, Application US/08910820  
; Patent No. 6258579

; GENERAL INFORMATION:  
; APPLICANT: Mercurio, Frank  
; APPLICANT: Zhu, Hengyi  
; APPLICANT: Barbosa, Miguel  
; APPLICANT: Li, Gian  
; APPLICANT: Murray, Brion W.  
; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE  
; TITLE OF INVENTION: COMPLEX AND METHODS OF USE THEREFOR  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEED and BERRY LLP  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104

; COMPUTER READABLE FORM:  
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; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/910,820  
; FILING DATE: 12-AUG-1997  
; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:  
; NAME: Maki, David J.  
; REGISTRATION NUMBER: 31,392  
; REFERENCE/DOCKET NUMBER: 860098.413C1  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear

US-08-910-820-10  
Query Match 100.0%; Score 40; DB 3; Length 745;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
Db 738 LDWSWL 743

RESULT 12  
US-08-810-131A-2  
; Sequence 2, Application US/08810131A  
; Patent No. 6268194

; GENERAL INFORMATION:  
; APPLICANT: Karin, Michael  
; APPLICANT: DiDonato, Joseph A.  
; APPLICANT: Rothwarf, David M.  
; APPLICANT: Hayakawa, Makio  
; APPLICANT: Zandi, Ebrahim  
; TITLE OF INVENTION: I-kappa-B Kinase and Methods of Using  
; TITLE OF INVENTION: Same  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Campbell & Flores LLP  
; STREET: 4370 La Jolla Village Drive, Suite 700  
; CITY: San Diego  
; STATE: California  
; COUNTRY: United States  
; ZIP: 92122

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/810,131A  
; FILING DATE: 25-FEB-1997  
; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:  
; NAME: Campbell, Cathryn A.  
; REGISTRATION NUMBER: 31,815  
; REFERENCE/DOCKET NUMBER: P-UD 2408  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 535-9001  
; TELEFAX: (619) 535-8949  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear

; MOLECULE TYPE: protein  
US-08-810-131A-2  
Query Match 100.0%; Score 40; DB 3; Length 745;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
Db 738 LDWSWL 743

RESULT 13  
US-09-109-986-4  
; Sequence 4, Application US/09109986  
; Patent No. 6479266  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Cao, Zhaoan  
; APPLICANT: R gnier, Catherine  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/109,986

Search completed: September 23, 2004, 21:27:29  
Job time : 10.75 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-2

Perfect score: 40

Sequence: 1 LDMSWL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:  
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2: /cgn2\_6/ptodata/2/pubpaa/FCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
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14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US10F\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	40	100.0	6	9	US-09-847-940B-2
2	40	100.0	6	10	US-09-847-946A-2
3	40	100.0	6	10	US-09-847-946A-33
4	40	100.0	7	10	US-09-847-946A-37
5	40	100.0	8	10	US-09-847-946A-30
6	40	100.0	8	10	US-09-847-946A-38
7	40	100.0	9	10	US-09-847-946A-29
8	40	100.0	9	10	US-09-847-946A-32
9	40	100.0	9	10	US-09-847-946A-35
10	40	100.0	10	10	US-09-847-946A-36
11	40	100.0	10	10	US-09-847-946A-31
12	40	100.0	10	10	US-09-847-946A-34
13	40	100.0	11	10	US-09-847-946A-28
14	40	100.0	11	10	US-09-847-946A-132
15	40	100.0	11	10	US-09-847-946A-140

16	40	100.0	13	10	US-09-847-946A-143	Sequence 143, App
17	40	100.0	13	10	US-09-847-946A-144	Sequence 144, App
18	40	100.0	13	10	US-09-847-946A-145	Sequence 145, App
19	40	100.0	13	10	US-09-847-946A-148	Sequence 148, App
20	40	100.0	17	10	US-09-847-946A-141	Sequence 141, App
21	40	100.0	17	10	US-09-847-946A-142	Sequence 142, App
22	40	100.0	17	10	US-09-847-946A-146	Sequence 146, App
23	40	100.0	17	10	US-09-847-946A-147	Sequence 147, App
24	40	100.0	18	10	US-09-847-946A-131	Sequence 131, App
25	40	100.0	18	10	US-09-847-946A-135	Sequence 135, App
26	40	100.0	18	10	US-09-847-946A-136	Sequence 136, App
27	40	100.0	22	10	US-09-847-946A-133	Sequence 133, App
28	40	100.0	22	10	US-09-847-946A-137	Sequence 137, App
29	40	100.0	22	10	US-09-847-946A-138	Sequence 138, App
30	40	100.0	22	10	US-09-847-946A-139	Sequence 139, App
31	40	100.0	28	9	US-09-847-940B-18	Sequence 18, Appl
32	40	100.0	28	10	US-09-847-946A-18	Sequence 18, Appl
33	40	100.0	28	12	US-10-602-303-2	Sequence 2, Appli
34	40	100.0	222	9	US-09-771-161A-141	Sequence 141, App
35	40	100.0	745	9	US-09-796-872-2	Sequence 2, Appli
36	40	100.0	745	9	US-09-844-908-10	Sequence 10, Appl
37	40	100.0	745	9	US-09-844-988-10	Sequence 10, Appl
38	40	100.0	745	12	US-10-060-065-14	Sequence 14, Appl
39	40	100.0	745	14	US-10-243-408-4	Sequence 4, Appli
40	40	100.0	745	14	US-10-059-585-35	Sequence 35, Appl
41	40	100.0	745	14	US-10-338-462-10	Sequence 10, Appl
42	40	100.0	745	15	US-10-408-636-3	Sequence 3, Appli
43	40	100.0	745	15	US-10-394-322A-32	Sequence 32, Appl
44	40	100.0	745	15	US-10-741-601-375	Sequence 375, App
45	40	100.0	745	15		

## ALIGNMENTS

RESULT 1  
US-09-847-940B-2  
; Sequence 2, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PEI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-2

Query Match 100.0%; Score 40; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred.No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSWL 6  
| | | | |  
Db 1 LDMSWL 6

RESULT 2  
US-09-847-946A-2  
; Sequence 2, Application US/09847946A  
; Publication No. US2003005499A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

Fri Sep 24 07:51:22 2004

GENERAL INFORMATION:  
 APPLICANT: May, Michael J  
 APPLICANT: Ghosh, Sankar  
 APPLICANT: Phillips, Mark A  
 APPLICANT: Hannig, Gerhard  
 TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 FILE REFERENCE: PPI-119  
 CURRENT APPLICATION NUMBER: US/09/847,946A  
 CURRENT FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: 60/201,261  
 PRIOR FILING DATE: 2000-05-02  
 PRIOR APPLICATION NUMBER: 09/643,260  
 PRIOR FILING DATE: 2000-08-22  
 NUMBER OF SEQ ID NOS: 160  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 37  
 LENGTH: 7  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 OTHER INFORMATION: sequence  
 US-09-847-946A-37

Query Match 100.0%; Score 40; DB 10; Length 7;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 |||||  
 Db 1 LDWSWL 6

RESULT 5

US-09-847-946A-30  
 Sequence 30, Application US/09847946A  
 Publication No. US20030054999A1  
 GENERAL INFORMATION:  
 APPLICANT: May, Michael J  
 APPLICANT: Ghosh, Sankar  
 APPLICANT: Phillips, Mark A  
 APPLICANT: Hannig, Gerhard  
 TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 FILE REFERENCE: PPI-119  
 CURRENT APPLICATION NUMBER: US/09/847,946A  
 CURRENT FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: 60/201,261  
 PRIOR FILING DATE: 2000-05-02  
 PRIOR APPLICATION NUMBER: 09/643,260  
 PRIOR FILING DATE: 2000-08-22  
 NUMBER OF SEQ ID NOS: 160  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 30  
 LENGTH: 8  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 OTHER INFORMATION: sequence  
 US-09-847-946A-30

Query Match 100.0%; Score 40; DB 10; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 |||||  
 Db 3 LDWSWL 8

RESULT 6

APPLICANT: Ghosh, Sankar  
 APPLICANT: Findeis, Mark A  
 APPLICANT: Phillips, Kathrynn  
 APPLICANT: Hannig, Gerhard  
 TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 FILE REFERENCE: PPI-119  
 CURRENT APPLICATION NUMBER: US/09/847,946A  
 CURRENT FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: 60/201,261  
 PRIOR FILING DATE: 2000-05-02  
 PRIOR APPLICATION NUMBER: 09/643,260  
 PRIOR FILING DATE: 2000-08-22  
 NUMBER OF SEQ ID NOS: 160  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 2  
 LENGTH: 6  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
 US-09-847-946A-2

Query Match 100.0%; Score 40; DB 10; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 |||||  
 Db 1 LDWSWL 6

RESULT 3

US-09-847-946A-33  
 Sequence 33, Application US/09847946A  
 Publication No. US20030054999A1  
 GENERAL INFORMATION:  
 APPLICANT: May, Michael J  
 APPLICANT: Ghosh, Sankar  
 APPLICANT: Findeis, Mark A  
 APPLICANT: Phillips, Kathrynn  
 APPLICANT: Hannig, Gerhard  
 TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 FILE REFERENCE: PPI-119  
 CURRENT APPLICATION NUMBER: US/09/847,946A  
 CURRENT FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: 60/201,261  
 PRIOR FILING DATE: 2000-05-02  
 PRIOR APPLICATION NUMBER: 09/643,260  
 PRIOR FILING DATE: 2000-08-22  
 NUMBER OF SEQ ID NOS: 160  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 33  
 LENGTH: 6  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 OTHER INFORMATION: sequence  
 US-09-847-946A-33

Query Match 100.0%; Score 40; DB 10; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 |||||  
 Db 1 LDWSWL 6

RESULT 4

US-09-847-946A-37  
 Sequence 37, Application US/09847946A  
 Publication No. US20030054999A1

US-09-847-946A-38  
 ; Sequence 38, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 38  
 ; LENGTH: 8  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-38

Query Match 100.0%; Score 40; DB 10; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
 Db 1 LDWSWL 6

RESULT 7  
 US-09-847-946A-29  
 ; Sequence 29, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 29  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-29

Query Match 100.0%; Score 40; DB 10; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
 Db 1 LDWSWL 6

RESULT 8  
 US-09-847-946A-32  
 ; Sequence 32, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 32  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-32

Query Match 100.0%; Score 40; DB 10; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
 Db 1 LDWSWL 6

RESULT 9  
 US-09-847-946A-35  
 ; Sequence 35, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 35  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-35

Query Match 100.0%; Score 40; DB 10; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 DB 3 LDWSWL 8

RESULT 10  
 US-09-847-946A-36  
 ; Sequence 36, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; PRIOR FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 36  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-36

Query Match 100.0%; Score 40; DB 10; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 DB 2 LDWSWL 7

RESULT 11  
 US-09-847-946A-31  
 ; Sequence 31, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; PRIOR FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 31  
 ; LENGTH: 10  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-31

Query Match 100.0%; Score 40; DB 10; Length 10;

Best Local Similarity 100.0%; Pred. No. 32;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 DB 2 LDWSWL 7

RESULT 12  
 US-09-847-946A-34  
 ; Sequence 34, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; PRIOR FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 34  
 ; LENGTH: 10  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-34

Query Match 100.0%; Score 40; DB 10; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 32;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWL 6  
 DB 3 LDWSWL 8

RESULT 13  
 US-09-847-946A-28  
 ; Sequence 28, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; PRIOR FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 28  
 ; LENGTH: 11  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-28

US-09-847-946A-28

Query Match 100.0%; Score 40; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
Db 3 LDWSWL 8

## RESULT 14

US-09-847-946A-132

; Sequence 132, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 132  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial  
; OTHER INFORMATION: Sequence:anti-inflammatory compound  
US-09-847-946A-132

Query Match 100.0%; Score 40; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
Db 3 LDWSWL 8

## RESULT 15

US-09-847-946A-140

; Sequence 140, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 140  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence

; FEATURE:  
; OTHER INFORMATION: Description of Artificial  
; OTHER INFORMATION: Sequence:anti-inflammatory compound  
US-09-847-946A-140

Query Match 100.0%; Score 40; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWL 6  
Db 3 LDWSWL 8

Search completed: September 23, 2004, 22:47:03  
Job time : 33.7237 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-3  
Perfect score: 26  
Sequence: 1 LDASAL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
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5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pap.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	100.0	293	4	US-09-252-991A-17296
2	26	100.0	1313	3	US-08-989-299-9
3	26	100.0	1313	4	US-09-407-427-9
4	24	92.3	20	3	US-09-140-149-9
5	24	92.3	20	4	US-09-615-917-9
6	24	92.3	40	4	US-09-480-933-18
7	24	92.3	83	1	US-08-370-225-16
8	24	92.3	83	1	US-08-461-859-16
9	24	92.3	83	5	PCT-US93-10069-16
10	24	92.3	100	4	US-09-489-039A-13929
11	24	92.3	165	4	US-09-252-991A-23877
12	24	92.3	257	4	US-09-328-352-4324
13	24	92.3	274	1	US-08-318-947A-20
14	24	92.3	274	1	US-08-461-859-16
15	24	92.3	289	4	US-09-107-532A-4402
16	24	92.3	298	2	US-08-874-347-25
17	24	92.3	298	2	US-08-969-106-2
18	24	92.3	298	3	US-09-093-522-25
19	24	92.3	298	4	US-09-457-040B-29
20	24	92.3	298	4	US-09-411-628-13
21	24	92.3	298	4	US-09-338-125-2
22	24	92.3	298	4	US-09-266-225D-14
23	24	92.3	298	4	US-10-174-794-13
24	24	92.3	359	4	US-09-098-219B-2
25	24	92.3	359	4	US-10-164-204-2
26	24	92.3	401	4	US-09-489-039A-11921
27	24	92.3	405	1	US-08-370-193A-9

28 24 92.3 405 4 US-10-078-107-6 Sequence 6, Appli  
29 24 92.3 405 4 US-10-077-751-6 Sequence 6, Appli  
30 24 92.3 544 4 US-09-417-197-113 Sequence 113, App  
31 24 92.3 544 4 US-09-417-197-115 Sequence 115, App  
32 24 92.3 723 4 US-09-434-408-2 Sequence 2, Appli  
33 24 92.3 970 4 US-09-198-452A-906 Sequence 906, App  
34 24 92.3 1042 4 US-09-512-250C-32 Sequence 32, Appl  
35 24 92.3 2618 3 US-08-413-814-28 Sequence 28, Appl  
36 23 88.5 44 3 US-08-905-223-345 Sequence 345, App  
37 23 88.5 65 1 PCT-US95-04682-6 Sequence 6, Appli  
38 23 88.5 65 5 PCT-US95-04682-6 Sequence 6, Appli  
39 23 88.5 81 4 US-09-621-976-5863 Sequence 5863, Ap  
40 23 88.5 81 4 US-09-621-976-5864 Sequence 5864, Ap  
41 23 88.5 124 4 US-09-489-039A-11363 Sequence 11363, A  
42 23 88.5 159 4 US-09-252-991A-24779 Sequence 24779, A  
43 23 88.5 201 1 US-08-444-083-8 Sequence 8, Appli  
44 23 88.5 201 1 US-08-286-304-8 Sequence 8, Appli  
45 23 88.5 201 1 US-08-442-745-8 Sequence 8, Appli

## ALIGNMENTS

## RESULT 1

US-09-252-991A-17296  
; Sequence 17296, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252.991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 17296  
; LENGTH: 293  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-17296

Query Match 100.0%; Score 26; DB 4; Length 293;  
Best Local Similarity 100.0%; Pred. No. 86;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6  
Db 91 LDASAL 96

## RESULT 2

US-08-989-299-9  
; Sequence 9, Application US/08989299  
; Patent No. 6194556  
; GENERAL INFORMATION:  
; APPLICANT: Acton, Susan L.  
; APPLICANT: Robinson, Keith E.  
; TITLE OF INVENTION: ANGIOTENSIN CONVERTING ENZYME HOMOLOG  
; TITLE OF INVENTION: AND THERAPEUTIC AND DIAGNOSTIC USES THEREFOR  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP  
; STREET: One Post Office Square  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109-2170  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/989,299
; FILING DATE: 11-DEC-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold E., Beth
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: MIA-025.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1313 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-989-299-9

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```

Query Match 100.0%; Score 26; DB 3; Length 1313;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY 1 LDASAL 6
Db 600 LDASAL 605

```

```

RESULT 3
US-09-407-427-9
; Sequence 9, Application US/09407427
; Patent No. 6610497
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan L.
; TITLE OF INVENTION: ANGIOGENIN CONVERTING ENZYME HOMOLOG AND THERAPEUTIC
; TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR
; FILE REFERENCE: MNI-132CP2
; CURRENT APPLICATION NUMBER: US/09/407,427
; CURRENT FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 09/163,648
; PRIOR FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: 08/989,299
; PRIOR FILING DATE: 1997-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 1313
; TYPE: PRT
; ORGANISM: Rattus sp.
; US-09-407-427-9

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```

Query Match 100.0%; Score 26; DB 4; Length 1313;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 LDASAL 6
Db 600 LDASAL 605

```

```

RESULT 4
US-09-140-149-9
; Sequence 9, Application US/09140149
; Patent No. 6117680
; GENERAL INFORMATION:
; APPLICANT: Natesan, Sridaran
; APPLICANT: Gilman, Michael Z
; TITLE OF INVENTION: NO. 6117680el Compositions and Methods for Regulation of

```

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; TITLE OF INVENTION: Transcription
; FILE REFERENCE: 363C
; CURRENT APPLICATION NUMBER: US/09/140,149
; CURRENT FILING DATE: 1998-08-26
; EARLIER APPLICATION NUMBER: 08/918,401
; EARLIER FILING DATE: 1997-08-26
; EARLIER APPLICATION NUMBER: 08/920,610
; EARLIER FILING DATE: 1997-08-27
; EARLIER APPLICATION NUMBER: 09/126,009
; EARLIER FILING DATE: 1998-07-29
; EARLIER APPLICATION NUMBER: PCT/US97/15219
; EARLIER FILING DATE: 1997-08-27
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:synthetic
; OTHER INFORMATION: peptide
; US-09-140-149-9

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Query Match 92.3%; Score 24; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 13;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 LDASAL 6
Db 11 MDASAL 16

```

```

RESULT 5
US-09-615-917-9
; Sequence 9, Application US/09615917
; Patent No. 6479653
; GENERAL INFORMATION:
; APPLICANT: Natesan, Sridaran
; APPLICANT: Gilman, Michael Z
; TITLE OF INVENTION: NO. 6479653el Compositions and Methods for Regulation of
; TITLE OF INVENTION: Transcription
; FILE REFERENCE: 363C continuation
; CURRENT APPLICATION NUMBER: US/09/615,917
; CURRENT FILING DATE: 2000-07-13
; PRIOR APPLICATION NUMBER: 08/918,401
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 08/920,610
; PRIOR FILING DATE: 1997-08-27
; PRIOR APPLICATION NUMBER: 09/126,009
; PRIOR FILING DATE: 1998-07-29
; PRIOR APPLICATION NUMBER: 09/140,149
; PRIOR FILING DATE: 1998-08-26
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:synthetic
; OTHER INFORMATION: peptide
; US-09-615-917-9

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```

Query Match 92.3%; Score 24; DB 4; Length 20;
Best Local Similarity 83.3%; Pred. No. 13;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 LDASAL 6
Db 11 MDASAL 16

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RESULT 6

US-09-643-260-3.sep04.ra1

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US-09-480-993-18
; Sequence 18, Application US/09480993
; Patent No. 6383790
; GENERAL INFORMATION:
; APPLICANT: Shokat, Kevan M
; TITLE OF INVENTION: High Affinity Kinase Inhibitors for Target Validation
; FILE REFERENCE: 51538-5001-US
; CURRENT APPLICATION NUMBER: US/09/480,993
; CURRENT FILING DATE: 2000-01-11
; EARLIER APPLICATION NUMBER: US 60/115,340
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 18
; LENGTH: 40
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Cdk2, cyclin-dependent kinase
US-09-480-993-18

Query Match          92.3%; Score 24; DB 4; Length 40;
Best Local Similarity 83.3%; Pred. No. 28;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6
Db 33 MDASAL 38

RESULT 7
US-09-370-225-16
; Sequence 16, Application US/08370225
; Patent No. 5580736
; GENERAL INFORMATION:
; APPLICANT: Brent, Roger
; APPLICANT: Gyuris, Jeno
; APPLICANT: Golemis, Erica
; TITLE OF INVENTION: Interaction Trap System for Isolating
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/370,225
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/370,225
; FILING DATE: January 9, 1995
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER: 07/969,038
; FILING DATE: October 30, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/143002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 83
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-09-480-993-18

Query Match          92.3%; Score 24; DB 1; Length 83;
Best Local Similarity 83.3%; Pred. No. 64;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6
Db 18 MDASAL 23

RESULT 8
US-08-461-859-16
; Sequence 16, Application US/08461859
; Patent No. 5786169
; GENERAL INFORMATION:
; APPLICANT: Brent, Roger
; APPLICANT: Gyuris, Jeno
; APPLICANT: Golemis, Erica
; TITLE OF INVENTION: Interaction Trap System for Isolating
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,859
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/370,225
; FILING DATE: January 9, 1995
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER: 07/969,038
; FILING DATE: October 30, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/143002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 83
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
US-08-461-859-16

Query Match          92.3%; Score 24; DB 1; Length 83;
Best Local Similarity 83.3%; Pred. No. 64;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6
Db 18 MDASAL 23

RESULT 9
PCT-US93-10069-16
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Sequence 16, Application PC/TUS9310069  
; GENERAL INFORMATION:  
; APPLICANT: Brent, Roger  
; APPLICANT: Gyuris, Jeno  
; APPLICANT: Golemis, Erica  
; TITLE OF INVENTION: Interaction Trap System for Isolating  
; TITLE OF INVENTION: Novel Proteins  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; COMPUTER: IBM PS/2 Model 50Z or 55SX  
; OPERATING SYSTEM: MS-DOS (Version 5.0)  
; SOFTWARE: WordPerfect (Version 5.1)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/10069  
; FILING DATE: 20-OCT-1993  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/969,038  
; FILING DATE: 10/30/92  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Clark, Paul T.  
; REGISTRATION NUMBER: 30,162  
; REFERENCE/DOCKET NUMBER: 00786/143001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 542-5070  
; TELEFAX: (617) 542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 83  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
PCT-US93-10069-16

Query Match 92.3%; Score 24; DB 5; Length 83;  
Best Local Similarity 83.3%; Pred. No. 64;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
Db 18 MDASAL 23

RESULT 10  
US-09-489-039A-13929  
; Sequence 13929, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 13929  
; LENGTH: 100  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-13929

Query Match 92.3%; Score 24; DB 4; Length 100;

Best Local Similarity 83.3%; Pred. No. 79;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
Db 66 LDASAI 71

RESULT 11  
US-09-252-991A-23877  
; Sequence 23877, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 23877  
; LENGTH: 165  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-23877

Query Match 92.3%; Score 24; DB 4; Length 165;  
Best Local Similarity 83.3%; Pred. No. 1.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
Db 150 IDASAL 155

RESULT 12  
US-09-328-352-4324  
; Sequence 4324, Application US/09328352  
; Patent No. 6562958  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC99-03PA  
; CURRENT APPLICATION NUMBER: US/09/328,352  
; CURRENT FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 8252  
; SEQ ID NO 4324  
; LENGTH: 257  
; TYPE: PRT  
; ORGANISM: Acinetobacter baumannii  
US-09-328-352-4324

Query Match 92.3%; Score 24; DB 4; Length 257;  
Best Local Similarity 83.3%; Pred. No. 2.3e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
Db 5 IDASAL 10

RESULT 13  
US-08-318-947A-20  
; Sequence 20, Application US/08318947A  
; Patent No. 5798245  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Paul J.  
; APPLICANT: Tian, Qingsheng

Sequence 16, Application PC/TUS9310069  
; GENERAL INFORMATION:  
; APPLICANT: Brent, Roger  
; APPLICANT: Gyuris, Jeno  
; APPLICANT: Golemis, Erica  
; TITLE OF INVENTION: Interaction Trap System for Isolating  
; TITLE OF INVENTION: Novel Proteins  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; COMPUTER: IBM PS/2 Model 50Z or 55SX  
; OPERATING SYSTEM: MS-DOS (Version 5.0)  
; SOFTWARE: WordPerfect (Version 5.1)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US93/10069  
; FILING DATE: 20-OCT-1993  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/969,038  
; FILING DATE: 10/30/92  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Clark, Paul T.  
; REGISTRATION NUMBER: 30,162  
; REFERENCE/DOCKET NUMBER: 00786/143001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 542-5070  
; TELEFAX: (617) 542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 83  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
PCT-US93-10069-16

Query Match 92.3%; Score 24; DB 5; Length 83;  
Best Local Similarity 83.3%; Pred. No. 64;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
Db 18 MDASAL 23

RESULT 10  
US-09-489-039A-13929  
; Sequence 13929, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 13929  
; LENGTH: 100  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-13929

Query Match 92.3%; Score 24; DB 4; Length 100;

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; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,947A
; FILING DATE: 06-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 274 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-318-947A-20

Query Match          92.3%; Score 24; DB 1; Length 274;
Best Local Similarity 83.3%; Pred. No. 2.5e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6
Db 91 MDASAL 96

RESULT 14
US-08-795-303-20
; Sequence 20, Application US/08795303
; Patent No. 5948656
; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; ATTORNEY/AGENT INFORMATION:
; NAME: Tian, Qingsheng
; TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,303
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 435

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/318,947
; FILING DATE: 06-OCT-1994
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 274 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-303-20

Query Match          92.3%; Score 24; DB 2; Length 274;
Best Local Similarity 83.3%; Pred. No. 2.5e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6
Db 91 MDASAL 96

RESULT 15
US-09-107-532A-4402
; Sequence 4402, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A. Doucette-Stamm and David Bush
; TITLE OF INVENTION: ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneka
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4402:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 289 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES

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Fri Sep 24 07:51:23 2004

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; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...289
; SEQUENCE DESCRIPTION: SEQ ID NO: 4402:
US-09-107-532A-4402

Query Match      92.3%; Score 24; DB 4; Length 289;
Best Local Similarity 83.3%; Pred. No. 2.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASAL 6
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Db      96 IDASAL 101

Search completed: September 23, 2004, 21:27:30
Job time : 10.75 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-3  
Perfect score: 26  
Sequence: 1 LDASAL 6

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Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA.\*

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pcp.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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1	26	100.0	6	9 US-09-847-940B-3	Sequence 3, Appli
2	26	100.0	6	10 US-09-847-940B-3	Sequence 3, Appli
3	26	100.0	28	9 US-09-847-940B-19	Sequence 19, Appl
4	26	100.0	28	10 US-09-847-940B-19	Sequence 19, Appl
5	26	100.0	75	12 US-10-424-599-217924	Sequence 217924,
6	26	100.0	92	16 US-10-437-963-114166	Sequence 114166,
7	26	100.0	191	14 US-10-156-761-8434	Sequence 8434, Ap
8	26	100.0	191	14 US-10-156-761-13332	Sequence 13332, A
9	26	100.0	191	14 US-10-156-761-13333	Sequence 13333, A
10	26	100.0	191	14 US-10-156-761-14915	Sequence 14915, A
11	26	100.0	237	16 US-10-437-963-136605	Sequence 136605,
12	26	100.0	237	16 US-10-437-963-136605	Sequence 136605,
13	26	100.0	240	9 US-09-738-626-4338	Sequence 4338, Ap
14	26	100.0	304	16 US-10-437-963-179653	Sequence 179653,
15	26	100.0	318	12 US-10-425-114-68842	Sequence 68842, A
16	26	100.0	346	16 US-10-437-963-168226	Sequence 168226,

16	26	100.0	374	15	US-10-104-047-3578	Sequence 3578, Ap
17	26	100.0	550	12	US-10-282-122A-62833	Sequence 62833, A
18	26	100.0	550	12	US-10-282-122A-64523	Sequence 64523, A
19	26	100.0	552	12	US-10-282-122A-67705	Sequence 67705, A
20	26	100.0	600	10	US-09-746-660A-106	Sequence 106, App
21	26	100.0	638	9	US-09-983-204-18	Sequence 18, Appl
22	26	100.0	638	12	US-10-133-573-8	Sequence 8, Appli
23	26	100.0	638	13	US-10-133-157-8	Sequence 8, Appli
24	26	100.0	659	9	US-09-738-626-6815	Sequence 6815, Ap
25	26	100.0	704	15	US-10-104-047-3501	Sequence 3501, Ap
26	26	100.0	745	9	US-09-919-835-2	Sequence 2, Appli
27	26	100.0	745	9	US-09-738-626-4761	Sequence 4761, Ap
28	26	100.0	745	10	US-09-746-660A-104	Sequence 104, App
29	26	100.0	747	12	US-10-425-114-70963	Sequence 70963, A
30	26	100.0	894	12	US-10-282-122A-77188	Sequence 77188, A
31	26	100.0	1006	15	US-10-369-493-22729	Sequence 22729, A
32	26	100.0	1013	16	US-10-437-963-168228	Sequence 168228,
33	24	92.3	14	13	US-10-038-612-107	Sequence 107, App
34	24	92.3	20	13	US-10-038-612-35	Sequence 35, Appl
35	24	92.3	21	13	US-10-038-612-106	Sequence 106, Appl
36	24	92.3	40	14	US-10-044-967-18	Sequence 18, Appl
37	24	92.3	78	16	US-10-437-963-117983	Sequence 117983,
38	24	92.3	78	16	US-10-767-701-51894	Sequence 51894, A
39	24	92.3	93	12	US-10-424-599-244080	Sequence 244080,
40	24	92.3	157	14	US-10-080-170-565	Sequence 565, App
41	24	92.3	157	16	US-10-080-170-565	Sequence 565, App
42	24	92.3	183	16	US-10-437-963-108194	Sequence 108194,
43	24	92.3	191	14	US-10-156-761-11481	Sequence 11481, A
44	24	92.3	231	16	US-10-437-963-105488	Sequence 105488,
45	24	92.3	259	15	US-10-369-493-9612	Sequence 9612, Ap

## ALIGNMENTS

RESULT 1  
US-09-847-940B-3  
; Sequence 3, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-3

Query Match 100.0%; Score 26; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6  
| | | | |  
Db 1 LDASAL 6

RESULT 2  
US-09-847-946A-3  
; Sequence 3, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

Fri Sep 24 07:51:23 2004

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; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-3

Query Match 100.0%; Score 26; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6
Db 1 LDASAL 6

RESULT 3
US-09-847-940B-19
; Sequence 19, Application US/09847940B
; Patent No. US20020156000A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J.
; APPLICANT: Ghosh, Sankar
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-117CP
; CURRENT APPLICATION NUMBER: US/09/847,940B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptides
US-09-847-940B-19

Query Match 100.0%; Score 26; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6
Db 20 LDASAL 25

RESULT 4
US-09-847-946A-19
; Sequence 19, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-19

Query Match 100.0%; Score 26; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6
Db 20 LDASAL 25

RESULT 5
US-10-424-599-217924
; Sequence 217924, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 217924
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_38812C.1.pep
US-10-424-599-217924

Query Match 100.0%; Score 26; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6
Db 18 LDASAL 23

RESULT 6
US-10-437-963-114166
; Sequence 114166, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
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; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 114166  
; LENGTH: 92  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_17884C.1.pap  
US-10-437-963-114166

Query Match 100.0%; Score 26; DB 16; Length 92;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
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QY 1 LDASAL 6  
Db 31 LDASAL 36

RESULT 7  
US-10-156-761-8434  
; Sequence 8434, Application US/10156761  
; Publication No. US20030119018A1  
; GENERAL INFORMATION:  
; APPLICANT: OMURA, SATOSHI  
; APPLICANT: IKEDA, HARUO  
; APPLICANT: ISHIKAWA, JUN  
; APPLICANT: HORIKAWA, HIROSHI  
; APPLICANT: SHIBA, TADAYOSHI  
; APPLICANT: SAKAKI, YOSHIYUKI  
; APPLICANT: HATTORI, MASAHIRA  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
; FILE REFERENCE: 249-262  
; CURRENT APPLICATION NUMBER: US/10/156,761  
; CURRENT FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: JP 2001-204089  
; PRIOR FILING DATE: 2001-05-30  
; PRIOR APPLICATION NUMBER: JP 2001-272697  
; PRIOR FILING DATE: 2001-08-02  
; NUMBER OF SEQ ID NOS: 15109  
; SEQ ID NO 8434  
; LENGTH: 191  
; TYPE: PRT  
; ORGANISM: Streptomyces avermitilis  
US-10-156-761-8434

Query Match 100.0%; Score 26; DB 14; Length 191;  
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Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
Db 41 LDASAL 46

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; Sequence 13332, Application US/10156761  
; Publication No. US20030119018A1  
; GENERAL INFORMATION:  
; APPLICANT: OMURA, SATOSHI  
; APPLICANT: IKEDA, HARUO  
; APPLICANT: ISHIKAWA, JUN  
; APPLICANT: HORIKAWA, HIROSHI  
; APPLICANT: SHIBA, TADAYOSHI  
; APPLICANT: SAKAKI, YOSHIYUKI  
; APPLICANT: HATTORI, MASAHIRA  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
; FILE REFERENCE: 249-262  
; CURRENT APPLICATION NUMBER: US/10/156,761

; CURRENT FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: JP 2001-204089  
; PRIOR FILING DATE: 2001-05-30  
; PRIOR APPLICATION NUMBER: JP 2001-272697  
; PRIOR FILING DATE: 2001-08-02  
; NUMBER OF SEQ ID NOS: 15109  
; SEQ ID NO 13332  
; LENGTH: 191  
; TYPE: PRT  
; ORGANISM: Streptomyces avermitilis  
US-10-156-761-13332

Query Match 100.0%; Score 26; DB 14; Length 191;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
Db 41 LDASAL 46

RESULT 9  
US-10-156-761-13333  
; Sequence 13333, Application US/10156761  
; Publication No. US20030119018A1  
; GENERAL INFORMATION:  
; APPLICANT: OMURA, SATOSHI  
; APPLICANT: IKEDA, HARUO  
; APPLICANT: ISHIKAWA, JUN  
; APPLICANT: HORIKAWA, HIROSHI  
; APPLICANT: SHIBA, TADAYOSHI  
; APPLICANT: SAKAKI, YOSHIYUKI  
; APPLICANT: HATTORI, MASAHIRA  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
; FILE REFERENCE: 249-262  
; CURRENT APPLICATION NUMBER: US/10/156,761  
; CURRENT FILING DATE: 2002-05-29  
; PRIOR APPLICATION NUMBER: JP 2001-204089  
; PRIOR FILING DATE: 2001-05-30  
; PRIOR APPLICATION NUMBER: JP 2001-272697  
; PRIOR FILING DATE: 2001-08-02  
; NUMBER OF SEQ ID NOS: 15109  
; SEQ ID NO 13333  
; LENGTH: 191  
; TYPE: PRT  
; ORGANISM: Streptomyces avermitilis  
US-10-156-761-13333

Query Match 100.0%; Score 26; DB 14; Length 191;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
Db 41 LDASAL 46

RESULT 10  
US-10-156-761-14915  
; Sequence 14915, Application US/10156761  
; Publication No. US20030119018A1  
; GENERAL INFORMATION:  
; APPLICANT: OMURA, SATOSHI  
; APPLICANT: IKEDA, HARUO  
; APPLICANT: ISHIKAWA, JUN  
; APPLICANT: HORIKAWA, HIROSHI  
; APPLICANT: SHIBA, TADAYOSHI  
; APPLICANT: SAKAKI, YOSHIYUKI  
; APPLICANT: HATTORI, MASAHIRA  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
; FILE REFERENCE: 249-262  
; CURRENT APPLICATION NUMBER: US/10/156,761  
; CURRENT FILING DATE: 2002-05-29

Fri Sep 24 07:51:23 2004

; PRIOR APPLICATION NUMBER: JP 2001-204089  
 ; PRIOR FILING DATE: 2001-05-30  
 ; PRIOR APPLICATION NUMBER: JP 2001-272697  
 ; PRIOR FILING DATE: 2001-08-02  
 ; NUMBER OF SEQ ID NOS: 15109  
 ; SEQ ID NO 14915  
 ; LENGTH: 191  
 ; TYPE: PRT  
 ; ORGANISM: Streptomyces avermitilis  
 US-10-156-761-14915  
 Query Match 100.0%; Score 26; DB 14; Length 191;  
 Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6  
 Db 41 LDASAL 46

RESULT 11  
 US-10-437-963-136605  
 ; Sequence 136605, Application US/10437963  
 ; Publication No. US20040123343A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Wu, Wei  
 ; APPLICANT: Boukharov, Andrey A.  
 ; APPLICANT: Barbazuk, Brad  
 ; APPLICANT: Li, Ping  
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53221)B  
 ; CURRENT APPLICATION NUMBER: US/10/437,963  
 ; CURRENT FILING DATE: 2003-05-14  
 ; NUMBER OF SEQ ID NOS: 204966  
 ; SEQ ID NO 136605  
 ; LENGTH: 237  
 ; TYPE: PRT  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_38168C.1.pep  
 US-10-437-963-136605

Query Match 100.0%; Score 26; DB 16; Length 237;  
 Best Local Similarity 100.0%; Pred. No. 3.3e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6  
 Db 91 LDASAL 96

RESULT 12  
 US-09-738-626-4338  
 ; Sequence 4338, Application US/09738626  
 ; Publication No. US20020197605A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NAKAGAWA, SATOSHI  
 ; APPLICANT: MIZOGUCHI, HIROSHI  
 ; APPLICANT: ANDO, SEIKO  
 ; APPLICANT: HAYASHI, MIKIRO  
 ; APPLICANT: OCHIAI, KEIKO  
 ; APPLICANT: YOKOI, HARUHIKO  
 ; APPLICANT: TATEISHI, NAOKO  
 ; APPLICANT: SENO, AKIHIRO  
 ; APPLICANT: IKEDA, MASATO  
 ; APPLICANT: OZAKI, AKIO  
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
 ; FILE REFERENCE: 249-125

; CURRENT APPLICATION NUMBER: US/09/738,626  
 ; CURRENT FILING DATE: 2000-12-18  
 ; PRIOR APPLICATION NUMBER: JP 99/377484  
 ; PRIOR FILING DATE: 1999-12-16  
 ; PRIOR APPLICATION NUMBER: JP 00/159162  
 ; PRIOR FILING DATE: 2000-04-07  
 ; PRIOR APPLICATION NUMBER: JP 00/280988  
 ; PRIOR FILING DATE: 2000-08-03  
 ; NUMBER OF SEQ ID NOS: 7059  
 ; SOFTWARE: PatentIn ver. 3.0  
 ; SEQ ID NO 4338  
 ; LENGTH: 240  
 ; TYPE: PRT  
 ; ORGANISM: Corynebacterium glutamicum  
 US-09-738-626-4338

Query Match 100.0%; Score 26; DB 9; Length 240;  
 Best Local Similarity 100.0%; Pred. No. 3.4e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6  
 Db 70 LDASAL 75

RESULT 13  
 US-10-437-963-179653  
 ; Sequence 179653, Application US/10437963  
 ; Publication No. US20040123343A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Wu, Wei  
 ; APPLICANT: Boukharov, Andrey A.  
 ; APPLICANT: Barbazuk, Brad  
 ; APPLICANT: Li, Ping  
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
 ; FILE REFERENCE: 38-21(53221)B  
 ; CURRENT APPLICATION NUMBER: US/10/437,963  
 ; CURRENT FILING DATE: 2003-05-14  
 ; NUMBER OF SEQ ID NOS: 204966  
 ; SEQ ID NO 179653  
 ; LENGTH: 304  
 ; TYPE: PRT  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_77094C.1.pep  
 US-10-437-963-179653

Query Match 100.0%; Score 26; DB 16; Length 304;  
 Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASAL 6  
 Db 230 LDASAL 235

RESULT 14  
 US-10-425-114-68842  
 ; Sequence 68842, Application US/10425114  
 ; Publication No. US20040034888A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Liu, Jingdong  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Screen, Steven E.  
 ; APPLICANT: Tabaska, Jack E.  
 ; APPLICANT: Cao, Yongwei  
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

```
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 68842
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLMO17399B08_FLI.pep
US-10-425-114-68842
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Query Match      100.0%; Score 26; DB 12; Length 318;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 LDASAL 6
Db      193 LDASAL 198
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RESULT 15
US-10-437-963-168226
; Sequence 168226, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 168226
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)-(346)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_66761C.1.pep
US-10-437-963-168226
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Query Match      100.0%; Score 26; DB 16; Length 346;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 LDASAL 6
Db      147 LDASAL 152
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Search completed: September 23, 2004, 22:47:04
Job time : 33.7237 secs
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Page 1000

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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-4

Perfect score: 40

Sequence: 1 ADWSW 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*

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2: /cgn2\_6/ptodata/2/iaa/5B.COMB.pep.\*  
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4: /cgn2\_6/ptodata/2/iaa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PTCTUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	% Match	Length	DB ID	Description
1	36	90.0	142	4	US-09-252-991A-31533
2	36	90.0	174	4	US-09-325-932A-163
3	36	90.0	225	4	US-09-325-932A-162
4	36	90.0	236	4	US-09-632-570-17
5	36	90.0	236	4	US-09-632-575-47
6	36	90.0	378	4	US-09-325-932A-158
7	36	90.0	616	3	US-09-136-574A-47
8	36	90.0	745	2	US-08-887-518-3
9	36	90.0	745	2	US-09-023-321-3
10	36	90.0	745	2	US-08-890-853-4
11	36	90.0	745	2	US-09-032-475-3
12	36	90.0	745	2	US-09-099-125A-4
13	36	90.0	745	2	US-09-099-124A-4
14	36	90.0	745	3	US-09-032-476-4
15	36	90.0	745	3	US-08-890-854-4
16	36	90.0	745	3	US-09-023-324-4
17	36	90.0	745	3	US-09-168-629-2
18	36	90.0	745	3	US-08-910-820-10
19	36	90.0	745	3	US-08-810-131A-2
20	36	90.0	745	4	US-09-109-986-4
21	36	90.0	745	4	US-09-844-908-10
22	36	90.0	745	4	US-09-868-758-3
23	36	90.0	756	2	US-08-887-518-4
24	36	90.0	756	2	US-09-023-321-4
25	36	90.0	756	2	US-08-890-853-2
26	36	90.0	756	2	US-09-032-475-4
27	36	90.0	756	2	US-09-099-125A-2

28	36	90.0	756	2	US-09-099-124A-2	Sequence 2, Appli
29	36	90.0	756	3	US-09-032-476-2	Sequence 2, Appli
30	36	90.0	756	3	US-08-890-854-2	Sequence 2, Appli
31	36	90.0	756	3	US-09-023-324-2	Sequence 2, Appli
32	36	90.0	756	3	US-09-168-629-15	Sequence 15, Appli
33	36	90.0	756	3	US-08-910-820-9	Sequence 9, Appli
34	36	90.0	756	4	US-09-109-986-2	Sequence 2, Appli
35	36	90.0	756	4	US-09-844-908-9	Sequence 9, Appli
36	36	90.0	756	4	US-09-868-758-4	Sequence 4, Appli
37	36	90.0	996	4	US-09-417-197-121	Sequence 121, App
38	36	90.0	997	4	US-09-417-197-121	Sequence 121, App
39	36	90.0	1426	3	US-09-136-574A-43	Sequence 43, Appli
40	36	90.0	1751	3	US-09-136-574A-44	Sequence 44, Appli
41	35	87.5	1203	4	US-09-661-258-3	Sequence 3, Appli
42	35	87.5	1205	1	US-07-908-245-2	Sequence 2, Appli
43	35	87.5	1205	2	US-08-319-866-10	Sequence 10, Appli
44	35	87.5	1205	3	US-09-123-708-6	Sequence 6, Appli
45	35	87.5	1205	3	US-09-123-624-6	Sequence 6, Appli

## ALIGNMENTS

RESULT 1  
US-09-252-991A-31533  
; Sequence 31533, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252.991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 31533  
; LENGTH: 142  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-31533

Query Match Best Local Similarity 90.0%; Score 36; DB 4; Length 142;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADWSW 5  
Db 94 ADWSW 98

RESULT 2  
US-09-325-932A-163  
; Sequence 163, Application US/09325932A  
; Patent No. 6451604  
; GENERAL INFORMATION:  
; APPLICANT: Flinn, Barry  
; APPLICANT: Lasham, Annette  
; TITLE OF INVENTION: Compositions affecting programmed cell  
; FILE REFERENCE: 1022  
; CURRENT APPLICATION NUMBER: US/09/325.932A  
; CURRENT FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 206  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 163  
; LENGTH: 174  
; TYPE: PRT  
; ORGANISM: Eucalyptus grandis  
US-09-325-932A-163

US-09-325-932A-163

Query Match 90.0%; Score 36; DB 4; Length 174;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSW 5  
109 ADWSW 113  
|||||

Db 109 ADWSW 113  
|||||

RESULT 3  
US-09-325-932A-162  
; Sequence 162, Application US/09325932A  
; Patent No. 6451604  
; GENERAL INFORMATION:  
; APPLICANT: Flinn, Barry  
; APPLICANT: Lasham, Annette  
; TITLE OF INVENTION: Compositions affecting programmed cell  
; TITLE OF INVENTION: death and their use in the modification of forestry plant develop  
; FILE REFERENCE: 1022  
; CURRENT APPLICATION NUMBER: US/09/325,932A  
; CURRENT FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 206  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 162  
; LENGTH: 225  
; TYPE: PRT  
; ORGANISM: Eucalyptus grandis  
US-09-325-932A-162

Query Match 90.0%; Score 36; DB 4; Length 225;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSW 5  
100 ADWSW 104  
|||||

Db 100 ADWSW 104  
|||||

RESULT 4  
US-09-632-570-17  
; Sequence 17, Application US/09632570  
; Patent No. 6623949  
; GENERAL INFORMATION:  
; APPLICANT: Gualfetti, Peter  
; APPLICANT: Mitchinson, Colin  
; APPLICANT: Phillips, Jay Ian  
; TITLE OF INVENTION: No. 6623949el Variant EGIII-Like Cellulase  
; TITLE OF INVENTION: Compositions  
; FILE REFERENCE: GC631  
; CURRENT APPLICATION NUMBER: US/09/632,570  
; CURRENT FILING DATE: 2000-08-04  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 236  
; TYPE: PRT  
; ORGANISM: Gliocladium roseum (3)  
US-09-632-570-17

Query Match 90.0%; Score 36; DB 4; Length 236;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSW 5  
63 ADWSW 67  
|||||

Db 63 ADWSW 67  
|||||

RESULT 5  
US-09-632-575-47  
; Sequence 47, Application US/09632575  
; Patent No. 6635465

GENERAL INFORMATION:  
; APPLICANT: Gualfetti, Peter  
; APPLICANT: Mitchinson, Colin  
; APPLICANT: Ropp, Traci M.  
; TITLE OF INVENTION: Mutant EGIII Cellulase, DNA Encoding  
; TITLE OF INVENTION: Such EGIII Compositions and Methods for Obtaining Same  
; FILE REFERENCE: GC629  
; CURRENT APPLICATION NUMBER: US/09/632,575  
; CURRENT FILING DATE: 2000-08-04  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 47  
; LENGTH: 236  
; TYPE: PRT  
; ORGANISM: Gliocladium roseum (3)  
US-09-632-575-47

Query Match 90.0%; Score 36; DB 4; Length 236;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSW 5  
63 ADWSW 67  
|||||

Db 63 ADWSW 67  
|||||

RESULT 6  
US-09-325-932A-158  
; Sequence 158, Application US/09325932A  
; Patent No. 6451604  
; GENERAL INFORMATION:  
; APPLICANT: Flinn, Barry  
; APPLICANT: Lasham, Annette  
; TITLE OF INVENTION: Compositions affecting programmed cell  
; TITLE OF INVENTION: death and their use in the modification of forestry plant develop  
; FILE REFERENCE: 1022  
; CURRENT APPLICATION NUMBER: US/09/325,932A  
; CURRENT FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 206  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO 158  
; LENGTH: 378  
; TYPE: PRT  
; ORGANISM: Eucalyptus grandis  
US-09-325-932A-158

Query Match 90.0%; Score 36; DB 4; Length 378;  
Best Local Similarity 100.0%; Pred. No. 2.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSW 5  
128 ADWSW 132  
|||||

Db 128 ADWSW 132  
|||||

RESULT 7  
US-09-136-574A-47  
; Sequence 47, Application US/09136574A  
; Patent No. 6294366  
; GENERAL INFORMATION:  
; APPLICANT: Farrington, Graham K.  
; APPLICANT: Anderson, Paige  
; APPLICANT: Gibbs, Moreland  
; APPLICANT: Bergquist, Peter  
; APPLICANT: Daniels, Roy  
; APPLICANT: Morgan, Hugh W.  
; APPLICANT: Williams, Diane P.  
; TITLE OF INVENTION: Compositions and Methods for  
; TITLE OF INVENTION: Treating Cellulose Containing  
; TITLE OF INVENTION: Cellulase Enzyme Compositions  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Howson and Howson

STREET: Spring House Corporate Center, P.O. Box 457  
CITY: Spring House  
STATE: PA  
COUNTRY: USA  
ZIP: 19477  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/136,574A  
FILING DATE: 19-Aug-1998  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/932,571  
FILING DATE: September 19, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Bak, Mary E.  
REGISTRATION NUMBER: 31,215  
REFERENCE/DOCKET NUMBER: 1997US001/CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-540-9200  
TELEFAX: 215-540-5818  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 47:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 616 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 47:  
US-09-136-574A-47

Query Match 90.0%; Score 36; DB 3; Length 616;  
Best Local Similarity 100.0%; Pred.No. 4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSWL 6  
Db 123 DWSWL 127

RESULT 8  
US-08-887-518-3  
Sequence 3, Application US/08887518  
Patent No. 5843721  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
APPLICANT: Wu, Lin  
TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,518  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-008  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-887-518-3

Query Match 90.0%; Score 36; DB 2; Length 745;  
Best Local Similarity 100.0%; Pred.No. 4.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSWL 6  
Db 739 DWSWL 743

RESULT 9  
US-09-023-321-3  
Sequence 3, Application US/09023321  
Patent No. 5844073  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
APPLICANT: Wu, Lin  
TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023,321  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,518  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-008  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-023-321-3

Query Match 90.0%; Score 36; DB 2; Length 745;  
Best Local Similarity 100.0%; Pred.No. 4.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSWL 6  
Db 739 DWSWL 743

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FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/887,518
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T97-008
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-032-475-3

Query Match          90.0%; Score 36; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0;

QY      2 DMSWL 6
       |||||
Db      739 DMSWL 743

RESULT 12
US-09-099-125A-4
; Sequence 4, Application US/09099125A
; Patent No. 5916760
; GENERAL INFORMATION:
; APPLICANT: Goeddel, David V.
; APPLICANT: Woronicz, John
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/099,125A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-099-125A-4

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Query Match          90.0%; Score 36; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DWSWL 6
Db      739 DWSWL 743

RESULT 13
US-09-099-124A-4
; Sequence 4, Application US/09099124A
; Patent No. 5939302
; GENERAL INFORMATION:
; APPLICANT: Goeddel, David V.
; APPLICANT: Woronicz, John
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/099,124A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-099-124A-4

Query Match          90.0%; Score 36; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DWSWL 6
Db      739 DWSWL 743

RESULT 14
US-09-032-476-4
; Sequence 4, Application US/09032476
; Patent No. 6235492
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,854
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627

```

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; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
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; APPLICATION NUMBER: US/09/032,476
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/890,854
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-032-476-4

Query Match          90.0%; Score 36; DB 3; Length 745;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DWSWL 6
Db      739 DWSWL 743

RESULT 15
US-08-890-854-4
; Sequence 4, Application US/08890854
; Patent No. 6235512
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,854
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627

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; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-890-854-4

Query Match          90.0%; Score 36; DB 3; Length 745;
Best Local Similarity 100.0%; Pred.No. 4.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DWSWL 6
        |||||
DB      739 DWSWL 743

Search completed: September 23, 2004, 21:27:30
Job time : 9.75 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-4  
Perfect score: 40  
Sequence: 1 ADWSWL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pcp.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pcp.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	% Match	Length	DB ID	Description
1	40	100.0	6	9	US-09-847-940B-4
2	40	100.0	6	10	US-09-847-946A-4
3	40	100.0	6	10	US-09-847-946A-39
4	40	100.0	6	10	US-09-847-946A-51
5	40	100.0	7	10	US-09-847-946A-55
6	40	100.0	8	10	US-09-847-946A-48
7	40	100.0	8	10	US-09-847-946A-56
8	40	100.0	9	10	US-09-847-946A-47
9	40	100.0	9	10	US-09-847-946A-50
10	40	100.0	9	10	US-09-847-946A-53
11	40	100.0	9	10	US-09-847-946A-54
12	40	100.0	10	10	US-09-847-946A-49
13	40	100.0	10	10	US-09-847-946A-52
14	40	100.0	11	10	US-09-847-946A-46
15	40	100.0	501	14	US-10-171-311-234

16	38	95.0	312	14	US-10-306-762-23	Sequence 23, Appl
17	38	95.0	605	14	US-10-156-761-9070	Sequence 9070, Ap
18	36	90.0	6	9	US-09-847-940B-2	Sequence 2, Appli
19	36	90.0	6	10	US-09-847-946A-2	Sequence 2, Appli
20	36	90.0	6	10	US-09-847-946A-33	Sequence 33, Appl
21	36	90.0	6	10	US-09-847-946A-41	Sequence 41, Appl
22	36	90.0	6	10	US-09-847-946A-73	Sequence 73, Appl
23	36	90.0	7	10	US-09-847-946A-37	Sequence 37, Appl
24	36	90.0	7	10	US-09-847-946A-77	Sequence 77, Appl
25	36	90.0	8	10	US-09-847-946A-30	Sequence 30, Appl
26	36	90.0	8	10	US-09-847-946A-38	Sequence 38, Appl
27	36	90.0	8	10	US-09-847-946A-70	Sequence 70, Appl
28	36	90.0	8	10	US-09-847-946A-78	Sequence 78, Appl
29	36	90.0	9	10	US-09-847-946A-29	Sequence 29, Appl
30	36	90.0	9	10	US-09-847-946A-32	Sequence 32, Appl
31	36	90.0	9	10	US-09-847-946A-35	Sequence 35, Appl
32	36	90.0	9	10	US-09-847-946A-36	Sequence 36, Appl
33	36	90.0	9	10	US-09-847-946A-69	Sequence 69, Appl
34	36	90.0	9	10	US-09-847-946A-72	Sequence 72, Appl
35	36	90.0	9	10	US-09-847-946A-75	Sequence 75, Appl
36	36	90.0	9	10	US-09-847-946A-76	Sequence 76, Appl
37	36	90.0	10	10	US-09-847-946A-31	Sequence 31, Appl
38	36	90.0	10	10	US-09-847-946A-34	Sequence 34, Appl
39	36	90.0	10	10	US-09-847-946A-71	Sequence 71, Appl
40	36	90.0	10	10	US-09-847-946A-74	Sequence 74, Appl
41	36	90.0	11	10	US-09-847-946A-28	Sequence 28, Appl
42	36	90.0	11	10	US-09-847-946A-68	Sequence 68, Appl
43	36	90.0	11	10	US-09-847-946A-132	Sequence 132, App
44	36	90.0	11	10	US-09-847-946A-140	Sequence 140, App
45	36	90.0	13	10	US-09-847-946A-143	Sequence 143, App

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-4  
; Sequence 4, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-4

Query Match 100.0%; Score 40; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 ADWSWL 6  
| | | | |  
Db 1 ADWSWL 6

RESULT 2  
US-09-847-946A-4  
; Sequence 4, Application US/09847946A  
; Publication No. US2003005499A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

```

; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathrynn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-51

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Query Match 100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ADWSWL 6
Db 1 ADWSWL 6

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RESULT 5

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US-09-847-946A-55
; Sequence 55, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathrynn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-55

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Query Match 100.0%; Score 40; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 ADWSWL 6
Db 1 ADWSWL 6

```

RESULT 6

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; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathrynn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-4

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Query Match 100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ADWSWL 6
Db 1 ADWSWL 6

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RESULT 3

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US-09-847-946A-39
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; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathrynn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
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; LENGTH: 6
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-39

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Query Match 100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ADWSWL 6
Db 1 ADWSWL 6

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RESULT 4

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US-09-847-946A-51
; Sequence 51, Application US/09847946A
; Publication No. US20030054999A1

```

US-09-847-946A-48  
; Sequence 48, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 48  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-48

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSWL 6  
| | | | |  
Db 3 ADWSWL 8

RESULT 7  
US-09-847-946A-56  
; Sequence 56, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 56  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-56

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSWL 6  
| | | | |  
Db 1 ADWSWL 6

RESULT 8  
US-09-847-946A-47  
; Sequence 47, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 47  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-47

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSWL 6  
| | | | |  
Db 1 ADWSWL 6

RESULT 9  
US-09-847-946A-50  
; Sequence 50, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 50  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-50

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Fri Sep 24 07:51:24 2004

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QY      1 ADWSWL 6
      |||||
Db      1 ADWSWL 6

RESULT 10
US-09-847-946A-53
; Sequence 53, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-53

Query Match      100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWL 6
      |||||
Db      3 ADWSWL 8

RESULT 11
US-09-847-946A-54
; Sequence 54, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 54
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-54

Query Match      100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWL 6
      |||||
Db      3 ADWSWL 8

RESULT 12
US-09-847-946A-49
; Sequence 49, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 49
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-49

Query Match      100.0%; Score 40; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWL 6
      |||||
Db      2 ADWSWL 7

RESULT 13
US-09-847-946A-52
; Sequence 52, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 52
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-52

Query Match      100.0%; Score 40; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWL 6
      |||||
Db      2 ADWSWL 7

```

## US-09-847-946A-52

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADWSWL 6  
Db 3 ADWSWL 8

## RESULT 14

## US-09-847-946A-46

; Sequence 46, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 46  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-46

Query Match 100.0%; Score 40; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 28;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADWSWL 6  
Db 3 ADWSWL 8

## RESULT 15

## US-10-171-311-234

; Sequence 234, Application US/10171311  
; Publication No. US20030087270A1  
; GENERAL INFORMATION:  
; APPLICANT: Schlegel, Robert  
; APPLICANT: Chen, Yan  
; APPLICANT: Zhao, Xumei  
; APPLICANT: Monahan, John  
; APPLICANT: Kamatkar, Shubhangi  
; APPLICANT: Glatt, Karen  
; APPLICANT: Gannavarapu, Manjula  
; APPLICANT: Hoerish, Sebastian  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY  
; FILE REFERENCE: MRI-035  
; CURRENT APPLICATION NUMBER: US/10/171,311  
; CURRENT FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: US 60/298,159  
; PRIOR FILING DATE: 2001-06-13  
; PRIOR APPLICATION NUMBER: US 60/298,155  
; PRIOR FILING DATE: 2001-06-13  
; PRIOR APPLICATION NUMBER: US 60/335,936

; PRIOR FILING DATE: 2001-11-14

; NUMBER OF SEQ ID NOS: 238

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 234

; LENGTH: 501

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-171-311-234

Query Match 100.0%; Score 40; DB 14; Length 501;  
Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADWSWL 6  
Db 387 ADWSWL 392

Search completed: September 23, 2004, 22:47:04  
Job time : 32.7237 secs

11's Page Bank (1991)



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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-5  
Perfect score: 40  
Sequence: 1 LDMSWA 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
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2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCITUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	40	100.0	242	4	US-09-345-236B-3
2	38	95.0	445	4	US-09-252-991A-22368
3	37	92.5	316	4	US-09-252-991A-17312
4	36	90.0	68	4	US-09-252-991A-18367
5	36	90.0	100	1	US-08-241-853-28
6	36	90.0	100	1	US-08-241-853-29
7	36	90.0	100	2	US-08-850-917-28
8	36	90.0	100	2	US-08-850-917-29
9	36	90.0	408	4	US-09-489-039A-12523
10	36	90.0	462	4	US-09-252-991A-21704
11	36	90.0	745	2	US-08-887-518-3
12	36	90.0	745	2	US-09-023-321-3
13	36	90.0	745	2	US-08-890-853-4
14	36	90.0	745	2	US-09-032-475-3
15	36	90.0	745	2	US-09-099-125A-4
16	36	90.0	745	2	US-09-099-124A-4
17	36	90.0	745	3	US-05-032-476-4
18	36	90.0	745	3	US-08-890-854-4
19	36	90.0	745	3	US-09-023-324-4
20	36	90.0	745	3	US-09-168-629-2
21	36	90.0	745	3	US-08-910-820-10
22	36	90.0	745	3	US-08-810-131A-2
23	36	90.0	745	4	US-09-109-986-4
24	36	90.0	745	4	US-09-844-908-10
25	36	90.0	745	4	US-09-868-758-3
26	36	90.0	756	2	US-08-887-518-4
27	36	90.0	756	2	US-09-023-321-4

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28      36      90.0      756      2      US-08-890-853-2      Sequence 2, Appli
29      36      90.0      756      2      US-09-032-475-4      Sequence 4, Appli
30      36      90.0      756      2      US-09-099-125A-2      Sequence 2, Appli
31      36      90.0      756      2      US-09-099-124A-2      Sequence 2, Appli
32      36      90.0      756      3      US-09-032-476-2      Sequence 2, Appli
33      36      90.0      756      3      US-08-890-854-2      Sequence 2, Appli
34      36      90.0      756      3      US-09-023-324-2      Sequence 2, Appli
35      36      90.0      756      3      US-09-168-629-15      Sequence 15, Appli
36      36      90.0      756      3      US-08-910-820-9      Sequence 9, Appli
37      36      90.0      756      4      US-09-109-986-2      Sequence 2, Appli
38      36      90.0      756      4      US-09-844-908-9      Sequence 9, Appli
39      36      90.0      756      4      US-09-868-758-4      Sequence 4, Appli
40      36      90.0      968      4      US-09-751-389-6      Sequence 6, Appli
41      36      90.0      982      2      US-08-673-789-4      Sequence 4, Appli
42      36      90.0      983      1      US-08-162-809-16      Sequence 16, Appli
43      36      90.0      983      1      US-08-167-919A-10      Sequence 10, Appli
44      36      90.0      983      2      US-08-449-645A-21      Sequence 21, Appli
45      36      90.0      983      2      US-08-702-367A-21      Sequence 21, Appli

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## ALIGNMENTS

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RESULT 1
US-09-345-236B-3
; Sequence 3, Application US/09345236B
; Patent No. 6521454
; GENERAL INFORMATION:
; APPLICANT: Becnel, James J.
; APPLICANT: Tokuo, Fukuda
; APPLICANT: Moser, Bettina
; APPLICANT: Cockburn, Andrew
; APPLICANT: White, Susan E.
; TITLE OF INVENTION: No. 6521454el Baculoviruses, Insecticidal
; FILE REFERENCE: 21042.0004
; CURRENT APPLICATION NUMBER: US/09/345,236B
; CURRENT FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 242
; TYPE: PRT
; ORGANISM: mosquito baculovirus
US-09-345-236B-3

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Query Match      100.0%; Score 40; DB 4; Length 242;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 LDMSWA 6
Db      79 LDMSWA 84

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RESULT 2
US-09-252-991A-22368
; Sequence 22368, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22368

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Fri Sep 24 07:51:25 2004

us-09-643-260-5.sep04.ra1

```

; LENGTH: 445
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22368

Query Match          95.0%; Score 36; DB 4; Length 445;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6
Db 303 MDWSWA 308

RESULT 3
US-09-252-991A-17312
; Sequence 17312, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17312
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17312

Query Match          92.5%; Score 37; DB 4; Length 316;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6
Db 271 LDWAWA 276

RESULT 4
US-09-252-991A-18367
; Sequence 18367, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18367
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18367

Query Match          90.0%; Score 36; DB 4; Length 68;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSWA 6
Db 1 LDWSWA 6
Db 19 LDWSW 23

RESULT 5
US-08-241-853-28
; Sequence 28, Application US/08241853
; Patent No. 5693488
; GENERAL INFORMATION:
; APPLICANT: Fang, Kathy S.
; APPLICANT: Hanafusa, Hidesaburo
; TITLE OF INVENTION: A TRANSMEMBRANE TYROSINE PHOSPHATASE
; TITLE OF INVENTION: AND METHODS OF USE THEREOF
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Klauber & Jackson
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/241,853
; FILING DATE: 12-MAY-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201 487-5800
; TELEFAX: 201 343-1684
; TELEX: 133521
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 100 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-241-853-28

Query Match          90.0%; Score 36; DB 1; Length 100;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSW 5
Db 19 LDWSW 23

RESULT 6
US-08-241-853-29
; Sequence 29, Application US/08241853
; Patent No. 5693488
; GENERAL INFORMATION:
; APPLICANT: Fang, Kathy S.
; APPLICANT: Hanafusa, Hidesaburo
; TITLE OF INVENTION: A TRANSMEMBRANE TYROSINE PHOSPHATASE
; TITLE OF INVENTION: AND METHODS OF USE THEREOF
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Klauber & Jackson
; STREET: 411 Hackensack Avenue
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA

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ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/241,853  
FILING DATE: 12-MAY-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201 487-5800  
TELEFAX: 201 343-1684  
TELEX: 133521  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 100 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-241-853-29

Query Match 90.0%; Score 36; DB 1; Length 100;  
Best Local Similarity 100.0%; Pred. No. 58;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSW 5  
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Db 19 LDWSW 23

RESULT 7  
US-08-917-28  
Sequence 28, Application US/08850917  
Patent No. 5854045  
GENERAL INFORMATION:  
APPLICANT: Fang, Kathy S.  
APPLICANT: Hanafusa, Hidesaburo  
TITLE OF INVENTION: A TRANSMEMBRANE TYROSINE PHOSPHATASE  
TITLE OF INVENTION: AND METHODS OF USE THEREOF  
NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Klauber & Jackson  
STREET: 411 Hackensack Avenue  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/850,917  
FILING DATE: 02-MAY-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/241,853  
FILING DATE: 12-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201 487-5800  
TELEFAX: 201 343-1684  
TELEX: 133521  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 100 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-850-917-29

Query Match 90.0%; Score 36; DB 2; Length 100;  
Best Local Similarity 100.0%; Pred. No. 58;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEFAX: 201 343-1684  
TELEX: 133521  
INFORMATION FOR SEQ ID NO: 28:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 100 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-850-917-28

Query Match 90.0%; Score 36; DB 2; Length 100;  
Best Local Similarity 100.0%; Pred. No. 58;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSW 5  
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Db 19 LDWSW 23

RESULT 8  
US-08-917-29  
Sequence 29, Application US/08850917  
Patent No. 5854045  
GENERAL INFORMATION:  
APPLICANT: Fang, Kathy S.  
APPLICANT: Hanafusa, Hidesaburo  
TITLE OF INVENTION: A TRANSMEMBRANE TYROSINE PHOSPHATASE  
TITLE OF INVENTION: AND METHODS OF USE THEREOF  
NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Klauber & Jackson  
STREET: 411 Hackensack Avenue  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/850,917  
FILING DATE: 02-MAY-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/241,853  
FILING DATE: 12-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 600-1-078  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201 487-5800  
TELEFAX: 201 343-1684  
TELEX: 133521  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 100 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-850-917-29

Query Match 90.0%; Score 36; DB 2; Length 100;  
Best Local Similarity 100.0%; Pred. No. 58;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 LDWSW 5
      19 LDWSW 23
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Db

RESULT 9
US-09-489-039A-12523
; Sequence 12523, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12523
; LENGTH: 408
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12523

Query Match      90.0%; Score 36; DB 4; Length 408;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSW 5
      372 LDWSW 376
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Db

RESULT 10
US-09-252-991A-21704
; Sequence 21704, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21704
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21704

Query Match      90.0%; Score 36; DB 4; Length 462;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DWSWA 6
      169 DWSWA 173
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Db

RESULT 11
US-08-887-518-3
; Sequence 3, Application US/08887518
; Patent No. 5843721
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin

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; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,518
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-887-518-3

Query Match      90.0%; Score 36; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSW 5
      738 LDWSW 742
      |||||
Db

RESULT 12
US-09-023-321-3
; Sequence 3, Application US/09023321
; Patent No. 5844073
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,321
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,518
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A

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; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-023-321-3

Query Match 90.0%; Score 36; DB 2; Length 745;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSW 5  
Db 738 LDWSW 742

## RESULT 13

US-08-890-853-4  
; Sequence 4, Application US/08890853  
; Patent No. 5851812  
; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; APPLICANT: Woronicz, John  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/890,853  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-006-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
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; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-890-853-4

Query Match 90.0%; Score 36; DB 2; Length 745;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSW 5  
Db 738 LDWSW 742

RESULT 14  
US-09-032-475-3  
; Sequence 3, Application US/09032475  
; Patent No. 5854003  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
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; CURRENT APPLICATION DATA:  
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; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/887,518  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-032-475-3

Query Match 90.0%; Score 36; DB 2; Length 745;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSW 5  
Db 738 LDWSW 742

## RESULT 15

US-09-099-125A-4  
; Sequence 4, Application US/09099125A  
; Patent No. 5916760  
; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; APPLICANT: Woronicz, John  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/099,125A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-099-125A-4

Query Match          90.0%; Score 36; DB 2; Length 745;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSW 5
Db      738 LDWSW 742

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Job time : 9.75 secs

GenCore version 5.1.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-5  
Perfect score: 40  
Sequence: 1 LDWSWA 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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3	40	100.0	6	10	US-09-847-946A-40	Sequence 40, Appl
4	40	100.0	6	10	US-09-847-946A-62	Sequence 62, Appl
5	40	100.0	7	10	US-09-847-946A-66	Sequence 66, Appl
6	40	100.0	8	10	US-09-847-946A-59	Sequence 59, Appl
7	40	100.0	8	10	US-09-847-946A-67	Sequence 67, Appl
8	40	100.0	9	10	US-09-847-946A-58	Sequence 58, Appl
9	40	100.0	9	10	US-09-847-946A-61	Sequence 61, Appl
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11	40	100.0	9	10	US-09-847-946A-65	Sequence 65, Appl
12	40	100.0	10	10	US-09-847-946A-57	Sequence 57, Appl
13	40	100.0	10	10	US-09-847-946A-60	Sequence 60, Appl
14	40	100.0	10	10	US-09-847-946A-63	Sequence 63, Appl
15	37	92.5	644	16	US-10-437-963-139883	Sequence 139883,

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Sequence 31, Appl  
Sequence 41, Appl  
Sequence 73, Appl  
Sequence 37, Appl  
Sequence 77, Appl  
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## ALIGNMENTS

RESULT 1  
US-09-847-940B-5  
; Sequence 5, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ IDS NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 5  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-5

Query Match 100.0%; Score 40; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWA 6  
| | | | |  
Db 1 LDWSWA 6

RESULT 2  
US-09-847-946A-5  
; Sequence 5, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

GENERAL INFORMATION:  
 APPLICANT: May, Michael J  
 APPLICANT: Ghosh, Sankar  
 APPLICANT: Findeis, Mark A  
 APPLICANT: Hannig, Gerhard  
 APPLICANT: Phillips, Kathryn  
 TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 FILE REFERENCE: PPI-119  
 CURRENT APPLICATION NUMBER: US/09/847,946A  
 PRIOR FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: 60/201,261  
 PRIOR FILING DATE: 2000-05-02  
 PRIOR APPLICATION NUMBER: 09/643,260  
 PRIOR FILING DATE: 2000-08-22  
 NUMBER OF SEQ ID NOS: 160  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 62  
 LENGTH: 6  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 OTHER INFORMATION: sequence  
 OTHER INFORMATION: sequence

US-09-847-946A-62

Query Match 100.0%; Score 40; DB 10; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6  
 |||||  
 Db 1 LDWSWA 6

RESULT 5

US-09-847-946A-66  
 Sequence 66, Application US/09847946A  
 Publication No. US20030054999A1  
 GENERAL INFORMATION:  
 APPLICANT: May, Michael J  
 APPLICANT: Ghosh, Sankar  
 APPLICANT: Findeis, Mark A  
 APPLICANT: Hannig, Gerhard  
 APPLICANT: Phillips, Kathryn  
 TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 FILE REFERENCE: PPI-119  
 CURRENT APPLICATION NUMBER: US/09/847,946A  
 PRIOR FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: 60/201,261  
 PRIOR FILING DATE: 2000-05-02  
 PRIOR APPLICATION NUMBER: 09/643,260  
 PRIOR FILING DATE: 2000-08-22  
 NUMBER OF SEQ ID NOS: 160  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 66  
 LENGTH: 7  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 OTHER INFORMATION: sequence

US-09-847-946A-66

Query Match 100.0%; Score 40; DB 10; Length 7;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6  
 |||||  
 Db 1 LDWSWA 6

RESULT 6

APPLICANT: Ghosh, Sankar  
 APPLICANT: Findeis, Mark A  
 APPLICANT: Phillips, Kathryn  
 APPLICANT: Hannig, Gerhard  
 APPLICANT: Phillips, Kathryn  
 TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 FILE REFERENCE: PPI-119  
 CURRENT APPLICATION NUMBER: US/09/847,946A  
 PRIOR FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: 60/201,261  
 PRIOR FILING DATE: 2000-05-02  
 PRIOR APPLICATION NUMBER: 09/643,260  
 PRIOR FILING DATE: 2000-08-22  
 NUMBER OF SEQ ID NOS: 160  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 5  
 LENGTH: 6  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
 OTHER INFORMATION: sequence

US-09-847-946A-5

Query Match 100.0%; Score 40; DB 10; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6  
 |||||  
 Db 1 LDWSWA 6

RESULT 3

US-09-847-946A-40  
 Sequence 40, Application US/09847946A  
 Publication No. US20030054999A1  
 GENERAL INFORMATION:  
 APPLICANT: May, Michael J  
 APPLICANT: Ghosh, Sankar  
 APPLICANT: Findeis, Mark A  
 APPLICANT: Hannig, Gerhard  
 APPLICANT: Phillips, Kathryn  
 TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 FILE REFERENCE: PPI-119  
 CURRENT APPLICATION NUMBER: US/09/847,946A  
 PRIOR FILING DATE: 2001-05-02  
 PRIOR APPLICATION NUMBER: 60/201,261  
 PRIOR FILING DATE: 2000-05-02  
 PRIOR APPLICATION NUMBER: 09/643,260  
 PRIOR FILING DATE: 2000-08-22  
 NUMBER OF SEQ ID NOS: 160  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 40  
 LENGTH: 6  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 OTHER INFORMATION: sequence

US-09-847-946A-40

Query Match 100.0%; Score 40; DB 10; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6  
 |||||  
 Db 1 LDWSWA 6

RESULT 4

US-09-847-946A-62  
 Sequence 62, Application US/09847946A  
 Publication No. US20030054999A1



US-09-847-946A-59  
 ; Sequence 59, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 59  
 ; LENGTH: 8  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-59

Query Match 100.0%; Score 40; DB 10; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWA 6  
 Db 3 LDWSWA 8

RESULT 7  
 US-09-847-946A-67  
 ; Sequence 67, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 67  
 ; LENGTH: 8  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-67

Query Match 100.0%; Score 40; DB 10; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWA 6  
 Db 1 LDWSWA 6

RESULT 8  
 US-09-847-946A-58  
 ; Sequence 58, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 58  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-58

Query Match 100.0%; Score 40; DB 10; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSWA 6  
 Db 1 LDWSWA 6

RESULT 9  
 US-09-847-946A-61  
 ; Sequence 61, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 61  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-61

Query Match 100.0%; Score 40; DB 10; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Fri Sep 24 07:51:25 2004

us-09-643-260-5.sep04.rapb

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QY 1 LDWSWA 6
    |||||
Db 1 LDWSWA 6

RESULT 10
US-09-847-946A-64
; Sequence 64, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 64
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-64

Query Match 100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6
    |||||
Db 3 LDWSWA 8

RESULT 11
US-09-847-946A-65
; Sequence 65, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 65
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-65

Query Match 100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6
    |||||
Db 1 LDWSWA 6

RESULT 12
US-09-847-946A-57
; Sequence 57, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 57
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-57

Query Match 100.0%; Score 40; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6
    |||||
Db 2 LDWSWA 7

RESULT 13
US-09-847-946A-60
; Sequence 60, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-60

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US-09-847-946A-60

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6  
Db 2 LDWSWA 7

## RESULT 14

US-09-847-946A-63

; Sequence 63, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 63  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-63

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6  
Db 3 LDWSWA 8

## RESULT 15

US-10-437-963-139883

; Sequence 139883, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 139883  
; LENGTH: 644  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:

; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_41133C.1.pap  
US-10-437-963-139883

Query Match 92.5%; Score 37; DB 16; Length 644;  
Best Local Similarity 83.3%; Pred. No. 1.4e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSWA 6  
Db 433 LDWSWS 438

Search completed: September 23, 2004, 22:47:05  
Job time : 33.7237 secs

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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-6  
Perfect score: 40  
Sequence: 1 ADWSWA 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 segs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	37	92.5	236	4	US-09-632-570-17
2	37	92.5	236	4	US-09-632-575-47
3	37	92.5	938	4	US-09-252-991A-23882
4	36	90.0	68	4	US-09-252-991A-18367
5	36	90.0	142	4	US-09-252-991A-31533
6	36	90.0	174	4	US-09-325-932A-163
7	36	90.0	225	4	US-09-325-932A-162
8	36	90.0	242	4	US-09-345-236B-3
9	36	90.0	378	4	US-09-325-932A-158
10	36	90.0	445	4	US-09-252-991A-22368
11	36	90.0	462	4	US-09-252-991A-21704
12	34	85.0	44	3	US-08-905-223-274
13	33	82.5	74	1	US-08-379-538-2
14	33	82.5	136	2	US-08-774-065-2
15	33	82.5	164	4	US-09-252-991A-23817
16	33	82.5	218	1	US-08-032-848C-10
17	33	82.5	218	1	US-08-438-870-10
18	33	82.5	218	2	US-08-169-948B-34
19	33	82.5	218	2	US-08-448-873-34
20	33	82.5	218	3	US-08-382-452D-34
21	33	82.5	218	3	US-09-216-295-1
22	33	82.5	218	4	US-08-507-362A-18
23	33	82.5	218	4	US-09-916-494A-34
24	33	82.5	218	4	US-09-632-570-1
25	33	82.5	218	4	US-09-632-575-31
26	33	82.5	232	3	US-09-146-770-1
27	33	82.5	232	4	US-09-633-084-1

28 33 82.5 232 4 US-10-075-872-1 Sequence 1, Appli  
29 33 82.5 232 4 US-10-261-997-1 Sequence 1, Appli  
30 33 82.5 234 1 US-08-032-848C-9 Sequence 9, Appli  
31 33 82.5 234 1 US-08-438-870-9 Sequence 9, Appli  
32 33 82.5 234 3 US-09-146-770-3 Sequence 3, Appli  
33 33 82.5 234 3 US-09-146-770-4 Sequence 4, Appli  
34 33 82.5 234 3 US-09-216-295-3 Sequence 3, Appli  
35 33 82.5 234 3 US-09-216-295-4 Sequence 4, Appli  
36 33 82.5 234 4 US-09-633-084-3 Sequence 3, Appli  
37 33 82.5 234 4 US-09-633-084-4 Sequence 4, Appli  
38 33 82.5 234 4 US-10-075-872-3 Sequence 3, Appli  
39 33 82.5 234 4 US-10-075-872-4 Sequence 4, Appli  
40 33 82.5 234 4 US-10-261-997-3 Sequence 3, Appli  
41 33 82.5 234 4 US-10-261-997-4 Sequence 4, Appli  
42 33 82.5 234 4 US-09-632-570-3 Sequence 3, Appli  
43 33 82.5 234 4 US-09-632-570-4 Sequence 4, Appli  
44 33 82.5 234 4 US-09-632-575-33 Sequence 33, Appli  
45 33 82.5 234 4 US-09-632-575-34 Sequence 34, Appli

## ALIGNMENTS

RESULT 1  
US-09-632-570-17  
; Sequence 17, Application US/09632570  
; Patent No. 6623949  
; GENERAL INFORMATION:  
; APPLICANT: Gualfetti, Peter  
; APPLICANT: Mitchinson, Colin  
; APPLICANT: Phillips, Jay Ian  
; TITLE OF INVENTION: No. 6623949el Variant EGIII-Like Cellulase  
; TITLE OF INVENTION: Compositions  
; FILE REFERENCE: GC631  
; CURRENT APPLICATION NUMBER: US/09/632,570  
; CURRENT FILING DATE: 2000-08-04  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 236  
; TYPE: PRT  
; ORGANISM: Gliocladium roseum (3)  
US-09-632-570-17

Query Match 92.5%; Score 37; DB 4; Length 236;  
Best Local Similarity 83.3%; Pred. No. 89;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 ADWSWA 6  
Db 63 ADWSWS 68

RESULT 2  
US-09-632-575-47  
; Sequence 47, Application US/09632575  
; Patent No. 6635465  
; GENERAL INFORMATION:  
; APPLICANT: Gualfetti, Peter  
; APPLICANT: Mitchinson, Colin  
; APPLICANT: Ropp, Traci M.  
; TITLE OF INVENTION: Mutant EGIII Cellulase, DNA Encoding  
; TITLE OF INVENTION: Such EGIII Compositions and Methods for Obtaining Same  
; FILE REFERENCE: GC629  
; CURRENT APPLICATION NUMBER: US/09/632,575  
; CURRENT FILING DATE: 2000-08-04  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 47  
; LENGTH: 236  
; TYPE: PRT  
; ORGANISM: Gliocladium roseum (3)  
US-09-632-575-47

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Query Match      92.5%; Score 37; DB 4; Length 236;
Best Local Similarity 83.3%; Pred. No. 89;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWA 6
        |||||:
        63 ADWSWS 68

Db

RESULT 3
US-09-252-991A-23882
; Sequence 23882, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23882
; LENGTH: 938
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23882

Query Match      92.5%; Score 37; DB 4; Length 938;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWA 6
        |||||:
        581 ADMAWA 586

Db

RESULT 4
US-09-252-991A-18367
; Sequence 18367, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18367
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18367

Query Match      90.0%; Score 36; DB 4; Length 68;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DWSWA 6
        |||||:
        2 DWSWA 6

Db

RESULT 5
US-09-252-991A-31533
; Sequence 31533, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 31533
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31533

Query Match      90.0%; Score 36; DB 4; Length 142;
Best Local Similarity 100.0%; Pred. No. 76;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSW 5
        |||||:
        94 ADWSW 98

Db

RESULT 6
US-09-325-932A-163
; Sequence 163, Application US/09325932A
; Patent No. 6451604
; GENERAL INFORMATION:
; APPLICANT: Flinn, Barry
; APPLICANT: Lasham, Annette
; TITLE OF INVENTION: Compositions affecting programmed cell
; FILE REFERENCE: 1022
; CURRENT APPLICATION NUMBER: US/09/325,932A
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 206
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 163
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Eucalyptus grandis
US-09-325-932A-163

Query Match      90.0%; Score 36; DB 4; Length 174;
Best Local Similarity 100.0%; Pred. No. 93;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSW 5
        |||||:
        109 ADWSW 113

Db

RESULT 7
US-09-325-932A-162
; Sequence 162, Application US/09325932A
; Patent No. 6451604
; GENERAL INFORMATION:
; APPLICANT: Flinn, Barry
; APPLICANT: Lasham, Annette
; TITLE OF INVENTION: Compositions affecting programmed cell
; FILE REFERENCE: 1022
; CURRENT APPLICATION NUMBER: US/09/325,932A
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 206
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 162
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Eucalyptus grandis
US-09-325-932A-162

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SEQ ID NO 162  
 LENGTH: 225  
 TYPE: PRT  
 ORGANISM: Rucalyptus grandis  
 US-09-325-932A-162

Query Match 90.0%; Score 36; DB 4; Length 225;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSW 5  
 Db 100 ADWSW 104

## RESULT 8

US-09-345-236B-3  
 Sequence 3, Application US/09345236B  
 Patent No. 6521454

GENERAL INFORMATION:

APPLICANT: Becnel, James J.  
 APPLICANT: Tuku, Fukuda  
 APPLICANT: Moser, Bettina  
 APPLICANT: Cockburn, Andrew  
 APPLICANT: White, Susan E.  
 APPLICANT: Undeen, Albert H.  
 TITLE OF INVENTION: No. 6521454el Baculoviruses, Insecticidal  
 TITLE OF INVENTION: Compositions, and Methods for Control of Invertebrates  
 FILE REFERENCE: 21042.0004  
 CURRENT APPLICATION NUMBER: US/09/345,236B  
 CURRENT FILING DATE: 1999-06-30  
 NUMBER OF SEQ ID NOS: 148  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 3  
 LENGTH: 242  
 TYPE: PRT  
 ORGANISM: mosquito baculovirus  
 US-09-345-236B-3

Query Match 90.0%; Score 36; DB 4; Length 242;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSWA 6  
 Db 80 DWSWA 84

## RESULT 9

US-09-325-932A-158  
 Sequence 158, Application US/09325932A  
 Patent No. 6451604

GENERAL INFORMATION:

APPLICANT: Flinn, Barry  
 APPLICANT: Laaham, Annette  
 TITLE OF INVENTION: Compositions affecting programmed cell  
 TITLE OF INVENTION: death and their use in the modification of forestry plant develo  
 FILE REFERENCE: 1022  
 CURRENT APPLICATION NUMBER: US/09/325,932A  
 CURRENT FILING DATE: 1999-06-04  
 NUMBER OF SEQ ID NOS: 206  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 158  
 LENGTH: 378  
 TYPE: PRT  
 ORGANISM: Eucalyptus grandis  
 US-09-325-932A-158

Query Match 90.0%; Score 36; DB 4; Length 378;  
 Best Local Similarity 100.0%; Pred. No. 2e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSW 5

Db 128 ADWSW 132

## RESULT 10

US-09-252-991A-22368  
 Sequence 22368, Application US/09252991A  
 Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
 FILE REFERENCE: 107196.136  
 CURRENT APPLICATION NUMBER: US/09/252,991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR APPLICATION NUMBER: US 60/094,190  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 22368  
 LENGTH: 445  
 TYPE: PRT  
 ORGANISM: Pseudomonas aeruginosa  
 US-09-252-991A-22368

Query Match 90.0%; Score 36; DB 4; Length 445;  
 Best Local Similarity 100.0%; Pred. No. 2.3e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSWA 6  
 Db 304 DWSWA 308

## RESULT 11

US-09-252-991A-21704  
 Sequence 21704, Application US/09252991A  
 Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
 FILE REFERENCE: 107196.136  
 CURRENT APPLICATION NUMBER: US/09/252,991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR APPLICATION NUMBER: US 60/094,190  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 21704  
 LENGTH: 462  
 TYPE: PRT  
 ORGANISM: Pseudomonas aeruginosa  
 US-09-252-991A-21704

Query Match 90.0%; Score 36; DB 4; Length 462;  
 Best Local Similarity 100.0%; Pred. No. 2.4e+02;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSWA 6  
 Db 169 DWSWA 173

## RESULT 12

US-08-905-223-274  
 Sequence 274, Application US/08905223  
 Patent No. 6222029

GENERAL INFORMATION:

APPLICANT: Edwards, Jean-Baptiste D.  
 APPLICANT: Duelert, Aymeric

us-09-643-260-6.sep04.ra1

Fri Sep 24 07:51:26 2004

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; APPLICANT: Lactox, Bruno
; TITLE OF INVENTION: 5' ESTS FOR SECRETED PROTEINS
; NUMBER OF SEQUENCES: 503
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 501 West Broadway
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-3505
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Win95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/905,223
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 274:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; ORIGINAL SOURCE:
; ORGANISM: Homo Sapiens
; TISSUE TYPE: Brain
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: -26...-1
; IDENTIFICATION METHOD: Von Heijne matrix
; OTHER INFORMATION: score 9.6
; OTHER INFORMATION: seq WLIALASWSWALC/RI
;
US-08-905-223-274

Query Match 85.0%; Score 34; DB 3; Length 44;
Best Local Similarity 83.3%; Pred. No. 48;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ADWSWA 6
Db 19 ASMSWA 24

RESULT 13
US-08-379-538-2
; Sequence 2, Application US/08379538
; Patent No. 5804554
; GENERAL INFORMATION:
; APPLICANT: Volkman, Robert A.
; APPLICANT: Saccamano, Nicholas A.
; APPLICANT: Nason II, Deane M.
; APPLICANT: Heck, Steven D.
; APPLICANT: Ronau, Robert T.
; TITLE OF INVENTION: CALCIUM CHANNEL BLOCKING POLYPEPTIDES
; TITLE OF INVENTION: FROM FILISTATA HIBERNALIS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pfizer Inc
; STREET: 235 East 42nd Street
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10017
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/379,538
; APPLICATION NUMBER: 514
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/887073
; FILING DATE: 21-MAY-1992
; APPLICATION NUMBER: PCT/US93/03921
; FILING DATE: 30-APRIL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Zielinski, Bryan
; REGISTRATION NUMBER: 34,462
; REFERENCE/DOCKET NUMBER: PC8175A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 573-4585
; TELEFAX: (212) 573-1939
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 74 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Filistata hibernalis
; TISSUE TYPE: venom
;
US-08-379-538-2

Query Match 82.5%; Score 33; DB 1; Length 74;
Best Local Similarity 80.0%; Pred. No. 11e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSWA 6
Db 52 DWSWS 56

RESULT 14
US-08-774-065-2
; Sequence 2, Application US/08774065
; Patent No. 5989899
; GENERAL INFORMATION:
; APPLICANT: Bower, Benjamin
; APPLICANT: Clarkson, Kathleen
; APPLICANT: Larenas, Edmund
; APPLICANT: Ward, Michael
; TITLE OF INVENTION: NOVEL OVERSIZED CELLULOSE COMPOSITIONS
; TITLE OF INVENTION: FOR USE IN DETERGENT COMPOSITIONS AND
; TITLE OF INVENTION: IN THE TREATMENT OF TEXTILES
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENENCOR INTERNATIONAL
; STREET: 925 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/774,065
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

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; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Glaister, Debra J.
; REGISTRATION NUMBER: 33,888
; REFERENCE/DOCKET NUMBER: GC368
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-846-7620
; TELEFAX: 415-845-6504
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 136 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-774-065-2

Query Match      82.5%; Score 33; DB 2; Length 136;
Best Local Similarity 66.7%; Pred. No. 2e+02;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 ADWSWA 6
Db      62 ADQWS 67

RESULT 15
US-09-252-991A-23817
; Sequence 23817, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23817
; LENGTH: 164
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23817

Query Match      82.5%; Score 33; DB 4; Length 164;
Best Local Similarity 83.3%; Pred. No. 2.4e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 ADWSWA 6
Db      132 AGWSWA 137

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GenCore version 5.1.6  
 Copyright (c) 1993 - 2004 CompuGen Ltd.  
 OM protein - protein search, using sw model  
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 (without alignments)  
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Title: US-09-643-260-6  
 Perfect score: 40  
 Sequence: 1 ADWSWA 6

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

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Listing first 45 summaries

Database : Published Applications AA:  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40	100.0	6	10 US-09-847-946A-41	Sequence 41, Appl
2	40	100.0	6	10 US-09-847-946A-73	Sequence 73, Appl
3	40	100.0	7	10 US-09-847-946A-77	Sequence 77, Appl
4	40	100.0	8	10 US-09-847-946A-70	Sequence 70, Appl
5	40	100.0	8	10 US-09-847-946A-78	Sequence 78, Appl
6	40	100.0	9	10 US-09-847-946A-69	Sequence 69, Appl
7	40	100.0	9	10 US-09-847-946A-72	Sequence 72, Appl
8	40	100.0	9	10 US-09-847-946A-75	Sequence 75, Appl
9	40	100.0	9	10 US-09-847-946A-76	Sequence 76, Appl
10	40	100.0	10	10 US-09-847-946A-71	Sequence 71, Appl
11	40	100.0	10	10 US-09-847-946A-74	Sequence 74, Appl
12	40	100.0	11	10 US-09-847-946A-68	Sequence 68, Appl
13	37	92.5	236	12 US-10-441-625-17	Sequence 17, Appl
14	37	92.5	236	14 US-10-441-626-17	Sequence 17, Appl
15	37	92.5	885	9 US-09-815-242-5090	Sequence 5090, Ap

16	37	92.5	885	12	US-10-282-122A-43572	Sequence 43572, A
17	36	90.0	6	9	US-09-847-940B-4	Sequence 4, Appli
18	36	90.0	6	9	US-09-847-940B-5	Sequence 5, Appli
19	36	90.0	6	10	US-09-847-946A-4	Sequence 4, Appli
20	36	90.0	6	10	US-09-847-946A-5	Sequence 5, Appli
21	36	90.0	6	10	US-09-847-946A-39	Sequence 39, Appl
22	36	90.0	6	10	US-09-847-946A-40	Sequence 40, Appl
23	36	90.0	6	10	US-09-847-946A-51	Sequence 51, Appl
24	36	90.0	6	10	US-09-847-946A-62	Sequence 62, Appl
25	36	90.0	7	10	US-09-847-946A-55	Sequence 55, Appl
26	36	90.0	7	10	US-09-847-946A-66	Sequence 66, Appl
27	36	90.0	8	10	US-09-847-946A-48	Sequence 48, Appl
28	36	90.0	8	10	US-09-847-946A-56	Sequence 56, Appl
29	36	90.0	8	10	US-09-847-946A-59	Sequence 59, Appl
30	36	90.0	8	10	US-09-847-946A-67	Sequence 67, Appl
31	36	90.0	9	10	US-09-847-946A-47	Sequence 47, Appl
32	36	90.0	9	10	US-09-847-946A-50	Sequence 50, Appl
33	36	90.0	9	10	US-09-847-946A-53	Sequence 53, Appl
34	36	90.0	9	10	US-09-847-946A-54	Sequence 54, Appl
35	36	90.0	9	10	US-09-847-946A-61	Sequence 61, Appl
36	36	90.0	9	10	US-09-847-946A-64	Sequence 64, Appl
37	36	90.0	9	10	US-09-847-946A-65	Sequence 65, Appl
38	36	90.0	9	10	US-09-847-946A-58	Sequence 58, Appl
39	36	90.0	10	10	US-09-847-946A-49	Sequence 49, Appl
40	36	90.0	10	10	US-09-847-946A-52	Sequence 52, Appl
41	36	90.0	10	10	US-09-847-946A-60	Sequence 60, Appl
42	36	90.0	10	10	US-09-847-946A-63	Sequence 63, Appl
43	36	90.0	11	10	US-03-847-946A-46	Sequence 46, Appl
44	36	90.0	11	10	US-03-847-946A-46	Sequence 46, Appl
45	36	90.0	147	12	US-10-424-599-199086	Sequence 199086,

## ALIGNMENTS

RESULT 1  
 US-09-847-946A-41  
 ; Sequence 41, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; PRIOR FILING DATE: 2001-05-02  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 41  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-41

Query Match 100.0%; Score 40; DB 10; Length 6;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSWA 6  
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 Db 1 ADWSWA 6

us-09-643-260-6.sep04.rapb

Fri Sep 24 07:51:26 2004

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Db 1 ADWSWA 6

RESULT 4
US-09-847-946A-70
; Sequence 70, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 70
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-70

Query Match 100.0%; Score 40; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSWA 6
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Db 3 ADWSWA 8

RESULT 5
US-09-847-946A-78
; Sequence 78, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 78
; LENGTH: 8
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-78

Query Match 100.0%; Score 40; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSWA 6
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Db 3 ADWSWA 8

RESULT 7
US-09-847-946A-77
; Sequence 77, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 77
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-77

Query Match 100.0%; Score 40; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSWA 6
    |||||
Db 1 ADWSWA 6

RESULT 3
US-09-847-946A-73
; Sequence 73, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 73
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-73

Query Match 100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADWSWA 6
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Db 1 ADWSWA 6
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QY      1 ADWSWA 6
Db      1 ADWSWA 6

RESULT 6
US-09-847-946A-69
; Sequence 69, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 69
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-69

Query Match      100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWA 6
Db      1 ADWSWA 6

RESULT 7
US-09-847-946A-72
; Sequence 72, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 72
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-72

Query Match      100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWA 6
Db      1 ADWSWA 6

RESULT 8
US-09-847-946A-75
; Sequence 75, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 75
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-75

Query Match      100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWA 6
Db      3 ADWSWA 8

RESULT 9
US-09-847-946A-76
; Sequence 76, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
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; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 9
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
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US-09-847-946A-76
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Best Local Similarity 83.3%; Pred. No. 6.1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWA 6
Db      63 ADWSWS 68

RESULT 14
US-10-441-626-17
; Sequence 17, Application US/10441626
; Publication No. US20030186418A1
; GENERAL INFORMATION:
; APPLICANT: Gualfetti, Peter
; APPLICANT: Mitchinson, Colin
; APPLICANT: Phillips, Jay Ian
; TITLE OF INVENTION: No. US20030186418A1e1 Variant EGIII-Like Cellulase
; TITLE OF INVENTION: Compositions
; FILE REFERENCE: GC631
; CURRENT APPLICATION NUMBER: US/10/441,626
; CURRENT FILING DATE: 2003-05-19
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 236
; TYPE: PRT
; ORGANISM: Gliocladium roseum (3)
US-10-441-626-17

Query Match          92.5%; Score 37; DB 14; Length 236;
Best Local Similarity 83.3%; Pred. No. 6.1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWA 6
Db      63 ADWSWS 68

RESULT 15
US-09-815-242-5090
; Sequence 5090, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5090
; LENGTH: 885
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-815-242-5090

Query Match          92.5%; Score 37; DB 9; Length 885;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 ADWSWA 6
Db      563 ADWAWA 568

Search completed: September 23, 2004, 22:47:05
Job time : 32.7237 secs
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-7

Perfect score: 38

Sequence: 1 LAWSWL 6

Scoring table: BLOSUM62

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Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	36	94.7	586	4	US-09-489-039A-10912
2	35	92.1	196	4	US-08-311-731A-69
3	35	92.1	198	4	US-08-311-731A-319
4	34	89.5	56	4	US-09-205-258-359
5	34	89.5	63	4	US-08-311-731A-311
6	34	89.5	172	4	US-09-252-991A-17325
7	34	89.5	260	4	US-09-252-991A-21611
8	34	89.5	269	4	US-09-252-991A-31792
9	34	89.5	280	4	US-09-634-238-334
10	34	89.5	313	4	US-09-252-991A-28418
11	34	89.5	320	4	US-09-339-159B-22
12	34	89.5	331	4	US-09-339-159B-12
13	34	89.5	335	4	US-09-252-991A-23948
14	34	89.5	343	4	US-09-252-991A-26240
15	34	89.5	369	4	US-09-339-159B-16
16	34	89.5	468	4	US-09-485-648-4
17	34	89.5	468	4	US-09-503-565-4
18	34	89.5	468	4	US-09-485-649-4
19	34	89.5	468	4	US-09-339-159B-8
20	34	89.5	476	4	US-09-339-159B-4
21	34	89.5	490	4	US-09-339-159B-2
22	34	89.5	493	4	US-09-485-648-2
23	34	89.5	493	4	US-09-503-565-2
24	34	89.5	493	4	US-09-485-649-2
25	34	89.5	493	4	US-09-339-159B-6
26	34	89.5	516	4	US-09-489-039A-7660
27	34	89.5	545	4	US-09-252-991A-25304

28	33	86.8	95	4	US-09-252-991A-19590	Sequence 19590, A
29	33	86.8	355	3	US-08-818-112-79	Sequence 79, Appl
30	33	86.8	355	4	US-08-818-111-80	Sequence 80, Appl
31	33	86.8	355	4	US-09-056-556-79	Sequence 79, Appl
32	33	86.8	355	4	US-09-072-596-80	Sequence 80, Appl
33	33	86.8	355	4	US-09-072-967-79	Sequence 79, Appl
34	33	86.8	416	4	US-09-252-991A-23585	Sequence 23585, A
35	33	86.8	454	4	US-09-540-236-2469	Sequence 2469, A
36	33	86.8	467	4	US-08-137-117D-31	Sequence 28780, A
37	32	84.2	137	1	US-08-137-117D-31	Sequence 31, Appl
38	32	84.2	137	2	US-08-436-717-31	Sequence 31, Appl
39	32	84.2	165	4	US-09-489-039A-8105	Sequence 8105, Ap
40	32	84.2	187	6	5217891-4	Sequence 31, Appl
41	32	84.2	193	4	US-09-252-991A-31699	Sequence 31699, A
42	32	84.2	224	4	US-09-465-901-30	Sequence 30, Appl
43	32	84.2	379	4	US-09-252-991A-26255	Sequence 26255, A
44	32	84.2	502	4	US-09-489-039A-8440	Sequence 8440, Ap
45	32	84.2	745	2	US-08-887-518-3	Sequence 3, Appl

## ALIGNMENTS

### RESULT 1

US-09-489-039A-10912  
; Sequence 10912, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 10912  
; LENGTH: 586  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-10912

Query Match 94.7%; Score 36; DB 4; Length 586;  
Best Local Similarity 83.3%; Pred. No. 4.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LAWSWL 6  
Db 525 LAWSWL 530

### RESULT 2

US-08-311-731A-69  
; Sequence 69, Application US/08311731A  
; Patent No. 6583266  
; GENERAL INFORMATION:  
; APPLICANT: SMITH, DOUGLAS  
; APPLICANT: MAO, JEN-I  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES  
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 411  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.  
; STREET: 600 ATLANTIC AVENUE  
; CITY: BOSTON  
; STATE: MASSACHUSETTS  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM: Floppy disk  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/311.731A  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: GATES, EDWARD R.  
REGISTRATION NUMBER: 31,616  
REFERENCE/DOCKET NUMBER: C0044/7125  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/720-3500  
TELEFAX: 617/720-2441  
INFORMATION FOR SEQ ID NO: 69:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 196 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ORIGINAL SOURCE:  
ORGANISM: MYCOBACTERIUM LEPRAE  
US-08-311-731A-69  
Query Match 92.1%; Score 35; DB 4; Length 196;  
Best Local Similarity 83.3%; Pred. No. 2.2e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0;  
Gaps 0;  
QY 1 LAWSWL 6  
Db 111 VAWSWL 116  
RESULT 4  
US-09-205-258-359  
Sequence 359 Application US/09205258  
Patent No. 6525174  
GENERAL INFORMATION:  
APPLICANT: Young et al.  
TITLE OF INVENTION: 207 Human Secreted Proteins  
FILE REFERENCE: PZ007P1  
CURRENT APPLICATION NUMBER: US/09/205,258  
CURRENT FILING DATE: 1998-12-04  
EARLIER APPLICATION NUMBER: PCT/US98/11422  
EARLIER FILING DATE: 1998-06-04  
EARLIER APPLICATION NUMBER: 60/048,885  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,375  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,881  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,880  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,896  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,020  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,876  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,895  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,884  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,894  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,971  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,964  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,882  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,899  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,893  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,900  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,901  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,892  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,915  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,019  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,970  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,972  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,916  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,373

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/311.731A  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: GATES, EDWARD R.  
REGISTRATION NUMBER: 31,616  
REFERENCE/DOCKET NUMBER: C0044/7125  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/720-3500  
TELEFAX: 617/720-2441  
INFORMATION FOR SEQ ID NO: 69:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 196 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ORIGINAL SOURCE:  
ORGANISM: MYCOBACTERIUM LEPRAE  
US-08-311-731A-69  
Query Match 92.1%; Score 35; DB 4; Length 196;  
Best Local Similarity 83.3%; Pred. No. 2.2e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0;  
Gaps 0;  
QY 1 LAWSWL 6  
Db 109 VAWSWL 114  
RESULT 3  
US-08-311-731A-319  
Sequence 319 Application US/08311731A  
Patent No. 6583266  
GENERAL INFORMATION:  
APPLICANT: SMITH, DOUGLAS  
APPLICANT: MAO, JEN-I  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES  
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR  
DIAGNOSTICS AND THERAPEUTICS  
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 411  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.  
STREET: 600 ATLANTIC AVENUE  
CITY: BOSTON  
STATE: MASSACHUSETTS  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/311.731A  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: GATES, EDWARD R.  
REGISTRATION NUMBER: 31,616  
REFERENCE/DOCKET NUMBER: C0044/7125  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/720-3500  
TELEFAX: 617/720-2441  
INFORMATION FOR SEQ ID NO: 319:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 198 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 359
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (56)
; OTHER INFORMATION: Xaa equals stop translation
US-09-205-258-359

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Query Match      89.5%; Score 34; DB 4; Length 56;
Best Local Similarity 100.0%; Pred. No. 95;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 LAWSW 5
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Db      9 LAWSW 13

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RESULT 5
US-08-311-731A-311
; Sequence 311, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:
; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 311:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 63 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULAR TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
US-08-311-731A-311

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Query Match      89.5%; Score 34; DB 4; Length 63;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      2 AWSWL 6
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Db      43 AWSWL 47

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RESULT 6
US-09-252-991A-17325
; Sequence 17325, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17325
; LENGTH: 172
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17325

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Query Match      89.5%; Score 34; DB 4; Length 172;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 LAWSW 5
        |||||
Db      38 LAWSW 42

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RESULT 7
US-09-252-991A-21611
; Sequence 21611, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136

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us-09-643-260-7.sep04.ra1

Fri Sep 24 07:51:27 2004

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; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 21611
; LENGTH: 260
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21611

Query Match      89.5%; Score 34; DB 4; Length 260;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LAWSW 5
DB      186 LAWSW 190

RESULT 8
US-09-252-991A-31792
; Sequence 31792, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 31792
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31792

Query Match      89.5%; Score 34; DB 4; Length 269;
Best Local Similarity 83.3%; Pred. No. 4e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 LAWSWL 6
DB      232 LAWGWL 237

RESULT 9
US-09-634-238-334
; Sequence 334, Application US/09634238
; Patent No. 6544772
; GENERAL INFORMATION:
; APPLICANT: Glenn, Matthew
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT: Bloksberg, Leonard, N.
; APPLICANT: Lubbers, Mark W.
; APPLICANT: Dekker, James
; APPLICANT: Christensson, Anna C.
; APPLICANT: Holland, Ross
; APPLICANT: O'Toole, Paul W.
; APPLICANT: Reid, Julian R.
; APPLICANT: Coolbear, Timothy
; TITLE OF INVENTION: Polynucleotides, materials incorporating
; TITLE OF INVENTION: them and methods for using them.
; FILE REFERENCE: 11000.1043U1
; CURRENT APPLICATION NUMBER: US/09/634,238
; CURRENT FILING DATE: 2000-08-08

; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 334
; LENGTH: 280
; TYPE: PRT
; ORGANISM: Lactobacillus rhamnosus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(280)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-634-238-334

Query Match      89.5%; Score 34; DB 4; Length 280;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LAWSW 5
DB      170 LAWSW 174

RESULT 10
US-09-252-991A-28418
; Sequence 28418, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28418
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28418

Query Match      89.5%; Score 34; DB 4; Length 313;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LAWSW 5
DB      80 LAWSW 84

RESULT 11
US-09-339-159B-22
; Sequence 22, Application US/09339159B
; Patent No. 6566114
; GENERAL INFORMATION:
; APPLICANT: Kauppinen, Markus
; APPLICANT: Schulein, Martin
; APPLICANT: Schmoor, Kirk
; APPLICANT: Andersen, Lene
; APPLICANT: Bjornvad, Mads
; TITLE OF INVENTION: No. 6566114el Mannanases
; FILE REFERENCE: 5440.204-US
; CURRENT APPLICATION NUMBER: US/09/339,159B
; CURRENT FILING DATE: 1999-06-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 22
; LENGTH: 320
; TYPE: PRT
; ORGANISM: Bacillus sp.
US-09-339-159B-22
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Query Match      89.5%; Score 34; DB 4; Length 320;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LAWSW 5
Db      276 LAWSW 280

RESULT 12
US-09-339-159B-12
; Sequence 12, Application US/09339159B
; Patent No. 656114
; GENERAL INFORMATION:
; APPLICANT: Kauppinen, Markus
; APPLICANT: Schulein, Martin
; APPLICANT: Schnorr, Kirk
; APPLICANT: Andersen, Lene
; APPLICANT: Bjornvad, Mads
; TITLE OF INVENTION: NO. 6566114el Mannanases
; FILE REFERENCE: 5440.204-US
; CURRENT APPLICATION NUMBER: US/09/339,159B
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 12
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Bacillus sp.AA112
US-09-339-159B-12

Query Match      89.5%; Score 34; DB 4; Length 331;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LAWSW 5
Db      281 LAWSW 285

RESULT 13
US-09-252-991A-23948
; Sequence 23948, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23948
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23948

Query Match      89.5%; Score 34; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 AWSWL 6
Db      247 AWSWL 251

RESULT 14
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US-09-252-991A-26240
; Sequence 26240, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 26240
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-26240

Query Match      89.5%; Score 34; DB 4; Length 343;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LAWSW 5
Db      299 LAWSW 303

RESULT 15
US-09-339-159B-16
; Sequence 16, Application US/09339159B
; Patent No. 6566114
; GENERAL INFORMATION:
; APPLICANT: Kauppinen, Markus
; APPLICANT: Schulein, Martin
; APPLICANT: Schnorr, Kirk
; APPLICANT: Andersen, Lene
; APPLICANT: Bjornvad, Mads
; TITLE OF INVENTION: NO. 6566114el Mannanases
; FILE REFERENCE: 5440.204-US
; CURRENT APPLICATION NUMBER: US/09/339,159B
; CURRENT FILING DATE: 1999-06-24
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 16
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Bacillus sp.
US-09-339-159B-16

Query Match      89.5%; Score 34; DB 4; Length 369;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LAWSW 5
Db      318 LAWSW 322

Search completed: September 23, 2004, 21:27:32
Job time : 10.75 secs
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-7  
Perfect score: 38  
Sequence: 1 LAWSWL 6

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Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
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10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
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13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	* Query Match	Length	DB ID	Description
1	38	100.0	6	9	US-09-847-940B-7
2	38	100.0	6	10	US-09-847-946A-7
3	38	100.0	97	12	US-10-424-599-260030
4	38	100.0	216	12	US-10-424-599-157658
5	38	100.0	872	15	US-10-369-493-20896
6	38	100.0	1217	15	US-10-104-047-2263
7	35	92.1	86	12	US-10-424-599-234031
8	35	92.1	120	12	US-10-424-599-202984
9	35	92.1	136	14	US-10-080-170-120
10	35	92.1	196	16	US-10-080-170-120
11	35	92.1	210	14	US-10-080-170-548
12	35	92.1	210	16	US-10-080-170-548
13	35	92.1	493	16	US-10-437-963-172685
14	35	92.1	1055	9	US-09-759-667A-3
15	35	92.1	1116	16	US-10-437-963-163629

16	34	89.5	56	10	US-09-933-767-359	Sequence 359, App
17	34	89.5	56	12	US-10-004-860-359	Sequence 359, App
18	34	89.5	56	14	US-10-023-282-359	Sequence 359, App
19	34	89.5	64	9	US-09-864-761-39808	Sequence 39808, A
20	34	89.5	68	12	US-10-424-599-278156	Sequence 278156, A
21	34	89.5	87	12	US-10-424-599-155295	Sequence 155295, A
22	34	89.5	89	12	US-10-424-599-258454	Sequence 258454, A
23	34	89.5	91	16	US-10-767-701-54406	Sequence 145894, A
24	34	89.5	93	12	US-10-424-599-257999	Sequence 257999, A
25	34	89.5	100	16	US-10-767-701-42723	Sequence 42723, A
26	34	89.5	100	12	US-10-424-599-260060	Sequence 260060, A
27	34	89.5	112	12	US-10-424-599-210233	Sequence 210233, A
28	34	89.5	116	12	US-10-424-599-160618	Sequence 160618, A
29	34	89.5	123	12	US-10-424-599-157430	Sequence 157430, A
30	34	89.5	125	12	US-10-437-963-111320	Sequence 111320, A
31	34	89.5	127	16	US-10-437-963-171924	Sequence 171924, A
32	34	89.5	138	16	US-10-424-599-201276	Sequence 201276, A
33	34	89.5	141	12	US-10-424-599-160617	Sequence 160617, A
34	34	89.5	150	12	US-10-104-047-2210	Sequence 194963, A
35	34	89.5	151	12	US-10-424-599-200365	Sequence 200365, A
36	34	89.5	170	15	US-10-424-599-176870	Sequence 176870, A
37	34	89.5	191	12	US-10-425-114-50280	Sequence 50280, A
38	34	89.5	206	16	US-10-243-552-454	Sequence 68871, A
39	34	89.5	218	12	US-10-424-599-249146	Sequence 249146, A
40	34	89.5	237	12	US-10-425-114-64935	Sequence 64935, A
41	34	89.5	252	12	US-10-372-054-22	Sequence 22, Appl
42	34	89.5	260	12	US-10-372-054-12	Sequence 12, Appl
43	34	89.5	288	12		
44	34	89.5	320	12		
45	34	89.5	331	12		

## ALIGNMENTS

RESULT 1  
US-09-847-940B-7  
; Sequence 7, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sanjay  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-7

Query Match 100.0%; Score 38; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred.No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
| | | | |  
Db 1 LAWSWL 6

RESULT 2  
US-09-847-946A-7  
; Sequence 7, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

Fri Sep 24 07:51:27 2004

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; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-7

Query Match          100.0%; Score 38; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6
Db 1 LAWSWL 6

RESULT 3
US-10-424-599-260030
; Sequence 260030, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 260030
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_76831C.1.pep
US-10-424-599-260030

Query Match          100.0%; Score 38; DB 12; Length 97;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6
Db 69 LAWSWL 74

RESULT 4
US-10-424-599-157658
; Sequence 157658, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 260030
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_76831C.1.pep
US-10-424-599-260030

Query Match          100.0%; Score 38; DB 12; Length 97;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6
Db 69 LAWSWL 74

RESULT 5
US-10-369-493-20896
; Sequence 20896, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 20896
; LENGTH: 872
; TYPE: PRT
; ORGANISM: SYNECHOCOCCUS SP. WH 8102
US-10-369-493-20896

Query Match          100.0%; Score 38; DB 15; Length 872;
Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6
Db 692 LAWSWL 697

RESULT 6
US-10-104-047-2263
; Sequence 2263, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1e1 full length cDNA
; FILE REFERENCE: HI-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2263
; LENGTH: 1217
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-104-047-2263

Query Match 100.0%; Score 38; DB 15; Length 1217;  
Best Local Similarity 100.0%; Pred. No. 2.6e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
Db 590 LAWSWL 595

RESULT 7

US-10-424-599-234031  
; Sequence 234031, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 234031  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_53354C.1.pap  
US-10-424-599-234031

Query Match 92.1%; Score 35; DB 12; Length 86;  
Best Local Similarity 83.3%; Pred. No. 8.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
Db 17 LAWSV 22

RESULT 8

US-10-424-599-202984  
; Sequence 202984, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 202984  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_2531C.1.pap  
US-10-424-599-202984

Query Match 92.1%; Score 35; DB 12; Length 120;  
Best Local Similarity 83.3%; Pred. No. 1.1e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
Db 110 LSWSWL 115

RESULT 9

US-10-080-170-120  
; Sequence 120, Application US/10080170  
; Publication No. US20030129601A1  
; GENERAL INFORMATION:  
; APPLICANT: COLE, S.T.  
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR  
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR  
; FILE REFERENCE: 03495.0218  
; CURRENT APPLICATION NUMBER: US/10/080,170  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: 60/270,123  
; PRIOR FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 652  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 120  
; LENGTH: 196  
; TYPE: PRT  
; ORGANISM: Mycobacterium leprae  
US-10-080-170-120

Query Match 92.1%; Score 35; DB 14; Length 196;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
Db 109 VAWSWL 114

RESULT 10

US-10-080-170-120  
; Sequence 120, Application US/10080170  
; Publication No. US20040121322A9  
; GENERAL INFORMATION:  
; APPLICANT: COLE, S.T.  
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR  
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR  
; FILE REFERENCE: 03495.0218  
; CURRENT APPLICATION NUMBER: US/10/080,170  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: 60/270,123  
; PRIOR FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 652  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 120  
; LENGTH: 196  
; TYPE: PRT  
; ORGANISM: Mycobacterium leprae  
US-10-080-170-120

Query Match 92.1%; Score 35; DB 16; Length 196;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
Db 109 VAWSWL 114

RESULT 11

US-10-080-170-548  
; Sequence 548, Application US/10080170  
; Publication No. US20030129601A1  
; GENERAL INFORMATION:  
; APPLICANT: COLE, S.T.  
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR  
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR  
; FILE REFERENCE: 03495.0218  
; CURRENT APPLICATION NUMBER: US/10/080,170  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: 60/270,123  
; PRIOR FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 652  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 120  
; LENGTH: 196  
; TYPE: PRT  
; ORGANISM: Mycobacterium leprae  
US-10-080-170-548

QY 1 LAWSWL 6  
Db 109 VAWSWL 114

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; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 548
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-548

Query Match          92.1%; Score 35; DB 14; Length 210;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LAWSWL 6
Db      123 VAWSWL 128

RESULT 12
US-10-080-170-548
; Sequence 548, Application US/10080170
; Publication No. US20040121322A9
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; PRIOR FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 548
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-548

Query Match          92.1%; Score 35; DB 16; Length 210;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LAWSWL 6
Db      123 VAWSWL 128

RESULT 13
US-10-437-963-172685
; Sequence 172685, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 172685

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; LENGTH: 493
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_70798C.1.pep
US-10-437-963-172685

Query Match          92.1%; Score 35; DB 16; Length 493;
Best Local Similarity 83.3%; Pred. No. 3.2e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LAWSWL 6
Db      115 LAWAWL 120

RESULT 14
US-09-759-667A-3
; Sequence 3, Application US/09759667A
; Patent No. US20020064777A1
; GENERAL INFORMATION:
; APPLICANT: Mengiste, Tesaye
; APPLICANT: Paszkowski, Jerzy
; TITLE OF INVENTION: Recombination Repair Gene, MIM, from Arabidopsis thaliana
; FILE REFERENCE: S-30568A
; CURRENT APPLICATION NUMBER: US/09/759,667A
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: 9815485.9
; PRIOR FILING DATE: 1998-07-16
; PRIOR APPLICATION NUMBER: 9900760.1
; PRIOR FILING DATE: 1999-01-14
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 1055
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-759-667A-3

Query Match          92.1%; Score 35; DB 9; Length 1055;
Best Local Similarity 83.3%; Pred. No. 5.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LAWSWL 6
Db      248 LAWSWV 253

RESULT 15
US-10-437-963-163629
; Sequence 163629, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 163629
; LENGTH: 1116
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_62607C.1.pep

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US-10-437-963-163629

Query Match 92.1%; Score 35; DB 16; Length 1116;  
 Best Local Similarity 83.3%; Pred. No. 5.9e+03;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSNL 6  
 DB 253 LAWSV 258

Search completed: September 23, 2004, 22:47:06  
 Job time : 33.7237 secs

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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-8

Perfect score: 39

Sequence: 1 LEWSWL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep:\*
- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep:\*
- 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep:\*
- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep:\*
- 5: /cgn2\_6/ptodata/2/iaa/PTUS\_COMB.pep:\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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8	36	92.3	745	3	US-09-032-476-4
9	36	92.3	745	3	US-08-890-854-4
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11	36	92.3	745	3	US-09-168-629-2
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13	36	92.3	745	3	US-08-810-131A-2
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16	36	92.3	745	4	US-09-868-758-3
17	36	92.3	756	2	US-08-887-518-4
18	36	92.3	756	2	US-09-023-321-4
19	36	92.3	756	2	US-08-890-853-2
20	36	92.3	756	2	US-09-032-475-4
21	36	92.3	756	2	US-09-099-125A-2
22	36	92.3	756	2	US-09-039-124A-2
23	36	92.3	756	3	US-09-032-476-2
24	36	92.3	756	3	US-08-890-854-2
25	36	92.3	756	3	US-09-023-324-2
26	36	92.3	756	3	US-09-168-629-15
27	36	92.3	756	3	US-08-910-820-9

28	36	92.3	756	4	US-09-109-986-2	Sequence 2, Appli
29	36	92.3	756	4	US-09-844-908-9	Sequence 9, Appli
30	36	92.3	756	4	US-09-868-758-4	Sequence 4, Appli
31	36	92.3	996	4	US-09-417-197-123	Sequence 123, App
32	36	92.3	997	4	US-09-417-197-121	Sequence 121, App
33	35	89.7	137	1	US-08-392-419-2	Sequence 2, Appli
34	35	89.7	137	4	US-09-647-468-153	Sequence 153, App
35	35	89.7	137	4	US-09-647-468-154	Sequence 154, App
36	35	89.7	137	4	US-09-647-468-157	Sequence 157, App
37	35	89.7	137	4	US-09-647-468-158	Sequence 158, App
38	35	89.7	140	3	US-08-836-561-27	Sequence 27, Appl
39	35	89.7	140	3	US-08-836-561-63	Sequence 63, Appl
40	35	89.7	140	3	US-08-836-561-74	Sequence 74, Appl
41	35	89.7	140	3	US-08-836-561-78	Sequence 78, Appl
42	35	89.7	140	3	US-08-836-561-83	Sequence 83, Appl
43	35	89.7	140	3	US-08-579-378A-4	Sequence 4, Appli
44	35	89.7	140	4	US-09-434-122-27	Sequence 27, Appl
45	35	89.7	140	4	US-09-434-122-63	Sequence 63, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-252-991A-28780  
; Sequence 28780, Application US/09252991A  
; Patent No. 6551795

; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; PRIOR FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 28780

; LENGTH: 454

; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-28780

Query Match Best Local Similarity 100.0%; Score 39; DB 4; Length 454;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEWSWL 6

Db 305 LEWSWL 310

##### RESULT 2

US-08-887-518-3

; Sequence 3, Application US/08887518

; Patent No. 5843721

; GENERAL INFORMATION:

; APPLICANT: Rothe, Mike

; APPLICANT: Wu, Lin

; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

Fri Sep 24 07:51:28 2004

us-09-643-260-8.sep04.ra1

US-09-023-321-3

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,518  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-008  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-887-518-3

Query Match 92.3%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
Db 738 LDWSWL 743

RESULT 3  
US-09-023-321-3  
Sequence 3, Application US/09023321  
Patent No. 5844073  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023,321  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,518  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-008  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide

US-09-023-321-3

Query Match 92.3%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
Db 738 LDWSWL 743

RESULT 4  
US-08-890-853-4  
Sequence 4, Application US/08890853  
Patent No. 5851812  
GENERAL INFORMATION:  
APPLICANT: Goedel, David V.  
TITLE OF INVENTION: IKK-  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/890,853  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-890-853-4

Query Match 92.3%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
Db 738 LDWSWL 743

RESULT 5  
US-09-032-475-3  
Sequence 3, Application US/09032475  
Patent No. 5854003  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
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; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/032,475  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/887,518  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-032-475-3

Query Match 92.3%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
|:||||  
Db 738 LDWSWL 743

RESULT 6  
; Sequence 4, Application US/09099125A  
; Patent No. 5916760  
; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
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; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/099,125A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/890,853  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-006-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-099-125A-4

Query Match 92.3%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
|:||||  
Db 738 LDWSWL 743

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-099-125A-4

Query Match 92.3%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
|:||||  
Db 738 LDWSWL 743

RESULT 7  
; US-09-099-124A-4  
; Sequence 4, Application US/09099124A  
; Patent No. 5939302  
; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; APPLICANT: Woronicz, John  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
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; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/890,853  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-006-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-099-124A-4

Query Match 92.3%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
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Db 738 LDWSWL 743

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us-09-643-260-8.sep04.ra1

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;
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,854
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-890-854-4
;
; Query Match 92.3%; Score 36; DB 3; Length 745;
; Best Local Similarity 83.3%; Pred. No. 6.5e+02;
; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
;
QY 1 LEWSWL 6
DB 738 LDWSWL 743

RESULT 10
US-09-023-324-4
; Sequence 4, Application US/09023324
; Patent No. 6235513
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,324
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/890,854
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-032-476-4
;
; Query Match 92.3%; Score 36; DB 3; Length 745;
; Best Local Similarity 83.3%; Pred. No. 6.5e+02;
; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
;
QY 1 LEWSWL 6
DB 738 LDWSWL 743

RESULT 9
US-08-890-854-4
; Sequence 4, Application US/08890854
; Patent No. 6235512
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; APPLICATION NUMBER: US/09/032,476
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/890,854
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-890-854-4
;
; Query Match 92.3%; Score 36; DB 3; Length 745;
; Best Local Similarity 83.3%; Pred. No. 6.5e+02;
; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
;
QY 1 LEWSWL 6
DB 738 LDWSWL 743

RESULT 9
US-08-890-854-4
; Sequence 4, Application US/08890854
; Patent No. 6235512
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,854
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-890-854-4
;
; Query Match 92.3%; Score 36; DB 3; Length 745;
; Best Local Similarity 83.3%; Pred. No. 6.5e+02;
; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
;
QY 1 LEWSWL 6
DB 738 LDWSWL 743
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
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us-09-643-260-8.sep04.ra1

Fri Sep 24 07:51:28 2004

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEWSWL 6  
Db 738 LDWSWL 743

RESULT 14  
US-09-109-986-4  
Sequence 4, Application US/09109986  
Patent No. 6479266  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
APPLICANT: Cao, Zhaodan  
APPLICANT: R gnier, Catherine  
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM: disk  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/109,986  
FILING DATE: 27-Apr-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/910,820  
FILING DATE: 12-AUG-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Maki, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 860098.413C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-09-844-908-10  
Query Match 92.3%; Score 36; DB 4; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEWSWL 6  
Db 738 LDWSWL 743

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Job time : 9.75 secs

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEWSWL 6  
Db 738 LDWSWL 743

RESULT 15  
US-09-844-908-10  
Sequence 10, Application US/09844908  
Patent No. 6576437  
GENERAL INFORMATION:  
APPLICANT: Mercurio, Frank  
Zhu, Hengyi  
Barbosa, Miguel  
Li, Gian  
Murray, Brion W.  
TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE  
COMPLEX AND METHODS OF USE THEREFOR

Query Match 92.3%; Score 36; DB 4; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEWSWL 6  
Db 738 LDWSWL 743

US-09-109-986-4  
COMPUTER READABLE FORM: disk  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/109,986  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/890,854  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-109-986-4

Qy 1 LEWSWL 6  
Db 738 LDWSWL 743

US-09-109-986-4  
COMPUTER READABLE FORM: disk  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/109,986  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/890,854  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-109-986-4

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-8

Perfect score: 39

Sequence: 1 LEWSWL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

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- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
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- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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2	39	100.0	6	10	US-09-847-946A-8	Sequence 8, Appli
3	36	92.3	6	9	US-09-847-940B-2	Sequence 2, Appli
4	36	92.3	6	10	US-09-847-946A-2	Sequence 2, Appli
5	36	92.3	6	10	US-09-847-946A-33	Sequence 33, Appli
6	36	92.3	7	10	US-09-847-946A-37	Sequence 37, Appli
7	36	92.3	8	10	US-09-847-946A-30	Sequence 30, Appli
8	36	92.3	8	10	US-09-847-946A-38	Sequence 38, Appli
9	36	92.3	9	10	US-09-847-946A-29	Sequence 29, Appli
10	36	92.3	9	10	US-09-847-946A-32	Sequence 32, Appli
11	36	92.3	9	10	US-09-847-946A-35	Sequence 35, Appli
12	36	92.3	10	10	US-09-847-946A-36	Sequence 36, Appli
13	36	92.3	10	10	US-09-847-946A-31	Sequence 31, Appli
14	36	92.3	10	10	US-09-847-946A-34	Sequence 34, Appli
15	36	92.3	11	10	US-09-847-946A-28	Sequence 28, Appli

16	36	92.3	11	10	US-09-847-946A-132	Sequence 132, App
17	36	92.3	11	10	US-09-847-946A-140	Sequence 140, App
18	36	92.3	13	10	US-09-847-946A-143	Sequence 143, App
19	36	92.3	13	10	US-09-847-946A-144	Sequence 144, App
20	36	92.3	13	10	US-09-847-946A-145	Sequence 145, App
21	36	92.3	13	10	US-09-847-946A-148	Sequence 148, App
22	36	92.3	17	10	US-09-847-946A-141	Sequence 141, App
23	36	92.3	17	10	US-09-847-946A-142	Sequence 142, App
24	36	92.3	17	10	US-09-847-946A-146	Sequence 146, App
25	36	92.3	17	10	US-09-847-946A-147	Sequence 147, App
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27	36	92.3	18	10	US-09-847-946A-135	Sequence 135, App
28	36	92.3	18	10	US-09-847-946A-136	Sequence 136, App
29	36	92.3	22	10	US-09-847-946A-133	Sequence 133, App
30	36	92.3	22	10	US-09-847-946A-134	Sequence 134, App
31	36	92.3	22	10	US-09-847-946A-137	Sequence 137, App
32	36	92.3	22	10	US-09-847-946A-138	Sequence 138, App
33	36	92.3	22	10	US-09-847-946A-139	Sequence 139, App
34	36	92.3	28	9	US-09-847-940B-18	Sequence 18, Appli
35	36	92.3	28	10	US-09-847-946A-18	Sequence 2, Appli
36	36	92.3	28	12	US-10-602-303-2	Sequence 196520,
37	36	92.3	70	12	US-10-424-599-196520	Sequence 141, App
38	36	92.3	222	9	US-09-771-161A-141	Sequence 149051,
39	36	92.3	258	16	US-10-437-963-149051	Sequence 170408,
40	36	92.3	550	16	US-10-437-963-170408	Sequence 193068,
41	36	92.3	661	16	US-10-437-963-193068	Sequence 2, Appli
42	36	92.3	745	9	US-09-796-872-2	Sequence 10, Appli
43	36	92.3	745	9	US-09-844-908-10	Sequence 10, Appli
44	36	92.3	745	9	US-09-844-988-10	Sequence 14, Appli
45	36	92.3	745	12	US-10-060-065-14	

## ALIGNMENTS

RESULT 1  
US-09-847-940B-8  
; Sequence 8, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Saikat  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 8  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-8

Query Match 100.0%; Score 39; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred.No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
| | | | |  
Db 1 LEWSWL 6

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US-09-847-946A-8  
; Sequence 8, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

Fri Sep 24 07:51:28 2004

;; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

;; FILE REFERENCE: PPI-119  
 ;; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ;; CURRENT FILING DATE: 2001-05-02  
 ;; PRIOR APPLICATION NUMBER: 60/201,261  
 ;; PRIOR FILING DATE: 2000-05-02  
 ;; PRIOR APPLICATION NUMBER: 09/643,260  
 ;; PRIOR FILING DATE: 2000-08-22  
 ;; NUMBER OF SEQ ID NOS: 160  
 ;; SOFTWARE: PatentIn Ver. 2.0  
 ;; SEQ ID NO 2  
 ;; LENGTH: 6  
 ;; TYPE: PRT  
 ;; ORGANISM: Artificial Sequence  
 ;; FEATURE:  
 ;; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide

US-09-847-946A-2

Query Match 92.3%; Score 36; DB 10; Length 6;

Best Local Similarity 83.3%; Pred. No. 1.2e+06;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6

DB 1 LDWSWL 6

RESULT 5

US-09-847-946A-33

; Sequence 33, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findeis, Mark A

; APPLICANT: Phillips, Kathryn

; APPLICANT: Hannig, Gerhard

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; CURRENT FILING DATE: 2001-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 09/643,260

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 33

; LENGTH: 6

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-33

Query Match 92.3%; Score 36; DB 10; Length 6;

Best Local Similarity 83.3%; Pred. No. 1.2e+06;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6

DB 1 LDWSWL 6

RESULT 6

US-09-847-946A-37

; Sequence 37, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findeis, Mark A

; APPLICANT: Phillips, Kathryn

; APPLICANT: Hannig, Gerhard

;; APPLICANT: Ghosh, Sankar

;; APPLICANT: Findeis, Mark A

;; APPLICANT: Phillips, Kathryn

;; APPLICANT: Hannig, Gerhard

;; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

;; FILE REFERENCE: PPI-119

;; CURRENT APPLICATION NUMBER: US/09/847,946A

;; CURRENT FILING DATE: 2001-05-02

;; PRIOR APPLICATION NUMBER: 60/201,261

;; PRIOR FILING DATE: 2000-05-02

;; PRIOR APPLICATION NUMBER: 09/643,260

;; PRIOR FILING DATE: 2000-08-22

;; NUMBER OF SEQ ID NOS: 160

;; SOFTWARE: PatentIn Ver. 2.0

;; SEQ ID NO 8

;; LENGTH: 6

;; TYPE: PRT

;; ORGANISM: Artificial Sequence

;; FEATURE:

;; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide

US-09-847-946A-8

Query Match 100.0%; Score 39; DB 10; Length 6;

Best Local Similarity 100.0%; Pred. No. 1.2e+06;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6

DB 1 LEWSWL 6

RESULT 3

US-09-847-940B-2

; Sequence 2, Application US/09847940B

; Patent No. US20020156000A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J.

; APPLICANT: Ghosh, Sankar

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-117CP

; CURRENT APPLICATION NUMBER: US/09/847,940B

; CURRENT FILING DATE: 2001-05-02

; PRIOR APPLICATION NUMBER: 09/643,260

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2

; LENGTH: 6

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants

US-09-847-940B-2

Query Match 92.3%; Score 36; DB 9; Length 6;

Best Local Similarity 83.3%; Pred. No. 1.2e+06;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6

DB 1 LDWSWL 6

RESULT 4

US-09-847-946A-2

; Sequence 2, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findeis, Mark A

; APPLICANT: Phillips, Kathryn

; APPLICANT: Hannig, Gerhard

US-09-847-946A-38  
; Sequence 38, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:

US-09-847-946A-32

Fri Sep 24 07:51:28 2004

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; Sequence 32, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-32

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Best Local Similarity 83.3%; Pred. No. 1.2e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6
Db 1 LDWSWL 6

RESULT 11
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; Sequence 35, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 9
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; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
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US-09-847-946A-35

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Best Local Similarity 83.3%; Pred. No. 1.2e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6
Db 3 LDWSWL 8

RESULT 12
US-09-847-946A-36
; Sequence 36, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-36

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Best Local Similarity 83.3%; Pred. No. 1.2e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6
Db 2 LDWSWL 7

RESULT 13
US-09-847-946A-31
; Sequence 31, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
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; SEQ ID NO 31
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
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QY 1 LEWSWL 6

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Db 2 LDWSWL 7 |:|||||

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEWSWL 6 |:|||||

Db 3 LDWSWL 8

Search completed: September 23, 2004, 22:47:07

Job time : 33.7237 secs

RESULT 14

US-09-847-946A-34

; Sequence 34, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findeis, Mark A

; APPLICANT: Phillips, Kathryn

; APPLICANT: Hannig, Gerhard

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; PRIOR FILING DATE: 2001-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 09/643,260

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 34

; LENGTH: 10

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

US-09-847-946A-34

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Best Local Similarity 83.3%; Pred. No. 1.1e+02;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEWSWL 6 |:|||||

Db 3 LDWSWL 8

RESULT 15

US-09-847-946A-28

; Sequence 28, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findeis, Mark A

; APPLICANT: Phillips, Kathryn

; APPLICANT: Hannig, Gerhard

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; PRIOR FILING DATE: 2001-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 09/643,260

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 28

; LENGTH: 11

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

US-09-847-946A-28

Query Match 92.3%; Score 36; DB 10; Length 11;

Best Local Similarity 83.3%; Pred. No. 1.2e+02;

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-9  
Perfect score: 40  
Sequence: 1 LNWSWL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	36	90.0	117	4 US-09-149-476-360	Sequence 360, App
3	36	90.0	609	4 US-09-252-991A-20134	Sequence 20134, A
4	35	87.5	745	2 US-08-887-518-3	Sequence 3, Appli
5	35	87.5	745	2 US-09-023-321-3	Sequence 2, Appli
6	35	87.5	745	2 US-08-890-853-4	Sequence 4, Appli
7	35	87.5	745	2 US-09-032-475-3	Sequence 3, Appli
8	35	87.5	745	2 US-09-099-125A-4	Sequence 4, Appli
9	35	87.5	745	3 US-09-032-476-4	Sequence 4, Appli
10	35	87.5	745	3 US-08-890-854-4	Sequence 4, Appli
11	35	87.5	745	3 US-09-023-324-4	Sequence 2, Appli
12	35	87.5	745	3 US-09-168-629-2	Sequence 2, Appli
13	35	87.5	745	3 US-08-910-820-10	Sequence 10, Appli
14	35	87.5	745	3 US-08-810-131A-2	Sequence 2, Appli
15	35	87.5	745	4 US-09-109-986-4	Sequence 4, Appli
16	35	87.5	745	4 US-09-844-908-10	Sequence 10, Appli
17	35	87.5	745	4 US-09-868-758-3	Sequence 3, Appli
18	35	87.5	756	2 US-08-887-518-4	Sequence 4, Appli
19	35	87.5	756	2 US-09-023-321-4	Sequence 4, Appli
20	35	87.5	756	2 US-08-890-853-2	Sequence 2, Appli
21	35	87.5	756	2 US-09-032-475-4	Sequence 4, Appli
22	35	87.5	756	2 US-09-099-125A-2	Sequence 2, Appli
23	35	87.5	756	2 US-09-099-124A-2	Sequence 2, Appli
24	35	87.5	756	3 US-09-032-476-2	Sequence 2, Appli
25	35	87.5	756	3 US-08-890-854-2	Sequence 2, Appli
26	35	87.5	756	3 US-09-023-324-2	Sequence 2, Appli
27	35	87.5	756	3 US-09-023-324-2	Sequence 2, Appli

28 35 87.5 756 3 US-09-168-629-15 Sequence 15, Appli  
29 35 87.5 756 3 US-08-910-820-9 Sequence 9, Appli  
30 35 87.5 756 4 US-09-109-986-2 Sequence 2, Appli  
31 35 87.5 756 4 US-09-844-908-9 Sequence 9, Appli  
32 35 87.5 756 4 US-09-868-758-4 Sequence 4, Appli  
33 35 87.5 996 4 US-09-417-197-123 Sequence 123, App  
34 35 87.5 997 4 US-09-417-197-121 Sequence 121, App  
35 34 85.0 144 4 US-09-252-991A-21138 Sequence 21138, A  
36 34 85.0 355 3 US-08-818-112-79 Sequence 79, Appli  
37 34 85.0 355 4 US-08-818-111-80 Sequence 80, Appli  
38 34 85.0 355 4 US-09-056-556-79 Sequence 79, Appli  
39 34 85.0 355 4 US-09-072-596-80 Sequence 80, Appli  
40 34 85.0 355 4 US-09-072-967-79 Sequence 79, Appli  
41 34 85.0 454 4 US-09-252-991A-28780 Sequence 28780, A  
42 34 85.0 484 4 US-09-489-039A-9895 Sequence 9895, Ap  
43 33 82.5 151 4 US-09-252-991A-23526 Sequence 23526, A  
44 33 82.5 303 4 US-09-252-991A-19160 Sequence 19160, A  
45 33 82.5 396 4 US-09-134-001C-4443 Sequence 4443, Ap

## ALIGNMENTS

RESULT 1  
US-09-134-000C-4681  
; Sequence 4681, Application US/09134000C  
; Patent No. 6617156  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; FILE REFERENCE: 032796-032  
; CURRENT APPLICATION NUMBER: US/09/134,000C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/055,778  
; PRIOR FILING DATE: 1997-08-15  
; NUMBER OF SEQ ID NOS: 6812  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4681  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Enterococcus faecalis  
US-09-134-000C-4681

Query Match 90.0%; Score 36; DB 4; Length 73;  
Best Local Similarity 100.0%; Pred. No. 69;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 NWSWL 6  
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Db 31 NWSWL 35

RESULT 2  
US-09-149-476-360  
; Sequence 360, Application US/09149476  
; Patent No. 6420526  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 186 Human Secreted proteins  
; FILE REFERENCE: P2002P1  
; CURRENT APPLICATION NUMBER: US/09/149,476  
; CURRENT FILING DATE: 1998-09-08  
; EARLIER APPLICATION NUMBER: PCT/US98/04493  
; EARLIER FILING DATE: 1998-03-06  
; EARLIER APPLICATION NUMBER: 60/040,162  
; EARLIER FILING DATE: 1997-03-07  
; EARLIER APPLICATION NUMBER: 60/040,333  
; EARLIER FILING DATE: 1997-03-07  
; EARLIER APPLICATION NUMBER: 60/038,621  
; EARLIER FILING DATE: 1997-03-07  
; EARLIER APPLICATION NUMBER: 60/040,626  
; EARLIER FILING DATE: 1997-03-07

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EARLIER APPLICATION NUMBER: 60/043,576  
EARLIER FILING DATE: 1997-04-11  
EARLIER APPLICATION NUMBER: 60/047,501  
EARLIER FILING DATE: 1997-05-23  
EARLIER APPLICATION NUMBER: 60/043,670  
EARLIER FILING DATE: 1997-04-11  
EARLIER APPLICATION NUMBER: 60/056,632  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,664  
EARLIER FILING DATE: 1997-08-22  
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EARLIER FILING DATE: 1997-08-22  
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EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,909  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,875  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,862  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,887  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/056,908  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/048,964  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/057,650  
EARLIER FILING DATE: 1997-09-05  
EARLIER APPLICATION NUMBER: 60/056,884  
EARLIER FILING DATE: 1997-08-22  
EARLIER APPLICATION NUMBER: 60/057,669  
EARLIER FILING DATE: 1997-09-05  
EARLIER APPLICATION NUMBER: 60/049,610  
EARLIER FILING DATE: 1997-06-13  
EARLIER APPLICATION NUMBER: 60/061,060  
EARLIER FILING DATE: 1997-10-02

Query Match 90.0%; Score 36; DB 4; Length 117;

Best Local Similarity 100.0%; Pred. No. 1.1e+02; Indels 0; Gaps 0;  
Matches 5; Conservative 0; Mismatches 0

QY 1 LNWSW 5  
DB 30 LNWSW 34

RESULT 3  
US-09-252-991A-20134  
; Sequence 20134, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 20134  
; LENGTH: 609  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-20134

Query Match 90.0%; Score 36; DB 4; Length 609;  
Best Local Similarity 100.0%; Pred. No. 5.2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNWSW 5

DB 379 LNWSW 383

RESULT 4  
US-08-887-518-3  
; Sequence 3, Application US/08887518  
; Patent No. 5843721  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,518  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-887-518-3

Query Match 87.5%; Score 35; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 8.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNWSWL 6  
DB 738 LNWSWL 743

RESULT 5  
US-09-023-321-3  
; Sequence 3, Application US/09023321  
; Patent No. 5844073  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM: disk  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER: US/09/023,321  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,518  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-008  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-023-321-3

Query Match 87.5%; Score 35; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 8.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LNWSWL 6  
Db 738 LDWSWL 743

RESULT 6  
US-08-890-853-4  
Sequence 4, Application US/08890853  
Patent No. 5851812  
GENERAL INFORMATION:  
APPLICANT: Goeddel, David V.  
APPLICANT: Woronicz, John  
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/890,853  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide

US-08-890-853-4

Query Match 87.5%; Score 35; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 8.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LNWSWL 6  
Db 738 LDWSWL 743

RESULT 7  
US-09-032-475-3  
Sequence 3, Application US/09032475  
Patent No. 5854003  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
APPLICANT: Wu, Lin  
TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/032,475  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/887,518  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-008  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-032-475-3

Query Match 87.5%; Score 35; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 8.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LNWSWL 6  
Db 738 LDWSWL 743

RESULT 8  
US-09-099-125A-4  
Sequence 4, Application US/09099125A  
Patent No. 5916760  
GENERAL INFORMATION:  
APPLICANT: Goeddel, David V.  
APPLICANT: Woronicz, John  
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 4

us-09-643-260-9.sep04.ra1

Fri Sep 24 07:51:29 2004

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
 STREET: 268 BUSH STREET, SUITE 3200  
 CITY: SAN FRANCISCO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
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 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/099,125A  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/890,853  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OSMAN, RICHARD A  
 REGISTRATION NUMBER: 36,627  
 REFERENCE/DOCKET NUMBER: T97-006-1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 343-4341  
 TELEFAX: (415) 343-4342  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 745 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-09-099-125A-4

Query Match 87.5%; Score 35; DB 2; Length 745;  
 Best Local Similarity 83.3%; Pred. No. 8.7e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNMSWL 6  
 Db 738 LDMSWL 743

RESULT 9  
 US-09-099-124A-4  
 Sequence 4, Application US/09099124A  
 Patent No. 5939302  
 GENERAL INFORMATION:  
 APPLICANT: Goeddel, David V.  
 APPLICANT: Woronicz, John  
 TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
 STREET: 268 BUSH STREET, SUITE 3200  
 CITY: SAN FRANCISCO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/099,124A  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/890,853  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:

NAME: OSMAN, RICHARD A  
 REGISTRATION NUMBER: 36,627  
 REFERENCE/DOCKET NUMBER: T97-006-1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 343-4341  
 TELEFAX: (415) 343-4342  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 745 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-09-099-124A-4  
 Query Match 87.5%; Score 35; DB 2; Length 745;  
 Best Local Similarity 83.3%; Pred. No. 8.7e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNMSWL 6  
 Db 738 LDMSWL 743

RESULT 10  
 US-09-032-476-4  
 Sequence 4, Application US/09032476  
 Patent No. 6235492  
 GENERAL INFORMATION:  
 APPLICANT: Rothe, Mike  
 APPLICANT: Cao, Zhaoan  
 APPLICANT: R gnier, Catherine  
 TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
 STREET: 268 BUSH STREET, SUITE 3200  
 CITY: SAN FRANCISCO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/032,476  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/890,854  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: OSMAN, RICHARD A  
 REGISTRATION NUMBER: 36,627  
 REFERENCE/DOCKET NUMBER: T97-006-1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 343-4341  
 TELEFAX: (415) 343-4342  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 745 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-09-032-476-4

Query Match 87.5%; Score 35; DB 3; Length 745;  
 Best Local Similarity 83.3%; Pred. No. 8.7e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 LNWSWL 6
Db 738 LDWSWL 743

RESULT 11
US-08-890-854-4
; Sequence 4, Application US/08990854
; Patent No. 6235512
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaoan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,854
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-890-854-4

Query Match 87.5%; Score 35; DB 3; Length 745;
Best Local Similarity 83.3%; Pred. No. 8.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LNWSWL 6
Db 738 LDWSWL 743

RESULT 12
US-09-023-324-4
; Sequence 4, Application US/09023324
; Patent No. 6235513
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaoan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,324
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/890,854
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-023-324-4

Query Match 87.5%; Score 35; DB 3; Length 745;
Best Local Similarity 83.3%; Pred. No. 8.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LNWSWL 6
Db 738 LDWSWL 743

RESULT 13
US-09-168-629-2
; Sequence 2, Application US/09168629
; Patent No. 6242253
; GENERAL INFORMATION:
; APPLICANT: Karin, Michael
; APPLICANT: DiDonato, Joseph A.
; APPLICANT: Rothwarf, David M.
; APPLICANT: Hayakawa, Makio
; APPLICANT: Zandi, Ebrahim
; TITLE OF INVENTION: Ikb Kinase, Subunits Thereof, and Methods of Using Same
; FILE REFERENCE: P-UD 3295
; CURRENT APPLICATION NUMBER: US/09/168,629
; CURRENT FILING DATE: 1998-10-08
; EARLIER APPLICATION NUMBER: 60/061,470
; EARLIER FILING DATE: 1997-10-09
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 745
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-168-629-2

Query Match 87.5%; Score 35; DB 3; Length 745;
Best Local Similarity 83.3%; Pred. No. 8.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LNWSWL 6
Db 738 LDWSWL 743

RESULT 14
US-08-910-820-10
; Sequence 10, Application US/08910820

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Fri Sep 24 07:51:29 2004

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; Patent No. 6258579
; GENERAL INFORMATION:
; APPLICANT: Mercurio, Frank
; APPLICANT: Zhu, Hengyi
; APPLICANT: Barbosa, Miguel
; APPLICANT: Li, Gihan
; APPLICANT: Murray, Brion W.
; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE
; TITLE OF INVENTION: COMPLEX AND METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,820
; FILING DATE: 12-AUG-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 860098.413C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; US-08-910-820-10

Query Match      87.5%; Score 35; DB 3; Length 745;
Best Local Similarity 83.3%; Pred. No. 8.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LNWSWL 6
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Db      738 LDWSWL 743

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Db      738 LDWSWL 743
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; Sequence 2, Application US/08810131A
; Patent No. 6268194
; GENERAL INFORMATION:
; APPLICANT: Karin, Michael
; APPLICANT: DiDonato, Joseph A.
; APPLICANT: Rothwarf, David M.
; APPLICANT: Hayakawa, Makio
; APPLICANT: Zandi, Ebrahim
; TITLE OF INVENTION: I-kappa-B Kinase and Methods of Using
; TITLE OF INVENTION: Same
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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ms Page Bank (usps)



GenCore version 5.1.6  
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OM protein - protein search, using sw model

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Title: US-09-643-260-9  
Perfect score: 40  
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Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

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Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

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- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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2	40	100.0	6	10	US-09-847-946A-9
3	36	90.0	73	16	US-10-437-963-161074
4	36	90.0	79	16	US-10-437-963-124456
5	36	90.0	117	10	US-09-809-391-360
6	36	90.0	117	10	US-09-882-171-360
7	36	90.0	117	15	US-10-164-861-360
8	36	90.0	117	15	US-10-108-260A-2983
9	36	90.0	206	12	US-10-425-114-53485
10	36	90.0	284	12	US-10-425-114-58553
11	36	90.0	287	12	US-10-425-114-51905
12	36	90.0	444	12	US-10-425-114-65445
13	36	90.0	455	12	US-10-282-122A-73424
14	36	90.0	455	16	US-10-437-963-160344
15	36	90.0	460	12	US-10-282-122A-74853

16	36	90.0	460	12	US-10-282-122A-76281	Sequence 76281, A
17	36	90.0	462	12	US-10-425-114-66792	Sequence 66792, A
18	36	90.0	464	9	US-09-815-242-10647	Sequence 10647, A
19	36	90.0	464	12	US-10-282-122A-42561	Sequence 42561, A
20	36	90.0	467	9	US-09-815-242-4997	Sequence 4997, Ap
21	36	90.0	603	16	US-10-437-963-161888	Sequence 161888,
22	36	90.0	864	15	US-10-436-715-29	Sequence 29, Appl
23	36	90.0	864	15	US-10-436-715-82	Sequence 82, Appl
24	35	87.5	6	9	US-09-847-940B-2	Sequence 2, Appli
25	35	87.5	6	10	US-09-847-946A-2	Sequence 2, Appli
26	35	87.5	6	10	US-09-847-946A-33	Sequence 33, Appl
27	35	87.5	7	10	US-09-847-946A-37	Sequence 37, Appl
28	35	87.5	8	10	US-09-847-946A-30	Sequence 30, Appl
29	35	87.5	8	10	US-09-847-946A-38	Sequence 38, Appl
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31	35	87.5	9	10	US-09-847-946A-32	Sequence 32, Appl
32	35	87.5	9	10	US-09-847-946A-35	Sequence 35, Appl
33	35	87.5	9	10	US-09-847-946A-36	Sequence 36, Appl
34	35	87.5	10	10	US-09-847-946A-31	Sequence 31, Appl
35	35	87.5	10	10	US-09-847-946A-34	Sequence 34, Appl
36	35	87.5	11	10	US-09-847-946A-28	Sequence 28, Appl
37	35	87.5	11	10	US-09-847-946A-132	Sequence 132, App
38	35	87.5	11	10	US-09-847-946A-140	Sequence 140, App
39	35	87.5	13	10	US-09-847-946A-143	Sequence 143, App
40	35	87.5	13	10	US-09-847-946A-144	Sequence 144, App
41	35	87.5	13	10	US-09-847-946A-145	Sequence 145, App
42	35	87.5	13	10	US-09-847-946A-148	Sequence 148, App
43	35	87.5	17	10	US-09-847-946A-141	Sequence 141, App
44	35	87.5	17	10	US-09-847-946A-142	Sequence 142, App
45	35	87.5	17	10	US-09-847-946A-146	Sequence 146, App

## ALIGNMENTS

RESULT 1  
US-09-847-940B-9  
; Sequence 9, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; FILE REFERENCE: PPI-117CP  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 09/643,260  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 9  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-9

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Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNWSWL 6  
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DB 1 LNWSWL 6

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US-09-847-946A-9  
; Sequence 9, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 9  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-9

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QY 1 LNWSWL 6  
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US-10-437-963-161074  
; Sequence 161074, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 161074  
; LENGTH: 73  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(73)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_60292C.1.pep  
US-10-437-963-161074

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Best Local Similarity 100.0%; Pred. No. 5.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNWSW 5  
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Db 37 LNWSW 41

RESULT 4  
US-10-437-963-124456

; Sequence 124456, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
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; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_27193C.1.pep  
US-10-437-963-124456

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QY 1 LNWSW 5  
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; Sequence 360, Application US/09809391  
; Publication No. US20030049618A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: 186 Human Secreted proteins  
; FILE REFERENCE: P2002P2  
; CURRENT APPLICATION NUMBER: US/09/809,391  
; CURRENT FILING DATE: 2001-03-16  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 761  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 360  
; LENGTH: 117  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-809-391-360

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QY 1 LNWSW 5  
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Db 30 LNWSW 34

RESULT 6  
US-09-882-171-360  
; Sequence 360, Application US/09882171  
; Publication No. US20030175858A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: 186 Human Secreted proteins  
; FILE REFERENCE: P2002P2  
; CURRENT APPLICATION NUMBER: US/09/882,171  
; CURRENT FILING DATE: 2001-06-18  
; PRIOR APPLICATION NUMBER: 09/809,391

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3	PRIOR APPLICATION NUMBER:	60/043,674
4	PRIOR FILING DATE:	1997-04-11
5	PRIOR APPLICATION NUMBER:	60/043,669
6	PRIOR FILING DATE:	1997-04-11
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8	PRIOR FILING DATE:	1997-04-11
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10	PRIOR FILING DATE:	1997-04-11
11	PRIOR APPLICATION NUMBER:	60/043,672
12	PRIOR FILING DATE:	1997-04-11
13	PRIOR APPLICATION NUMBER:	60/043,315
14	PRIOR FILING DATE:	1997-04-11
15	PRIOR APPLICATION NUMBER:	60/048,974
16	PRIOR FILING DATE:	1997-06-06
17	PRIOR APPLICATION NUMBER:	60/056,886
18	PRIOR FILING DATE:	1997-08-22
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24	PRIOR FILING DATE:	1997-08-22
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26	PRIOR FILING DATE:	1997-08-22
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63	PRIOR APPLICATION NUMBER:	60/047,599
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; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,590
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; PRIOR APPLICATION NUMBER: 60/047,594
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,589
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,593
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,614
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,578
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/047,501
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,670
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/056,632
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,664
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; PRIOR APPLICATION NUMBER: 60/056,909
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,875
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,862
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,887
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,908
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/048,964
; PRIOR FILING DATE: 1997-06-05
; PRIOR APPLICATION NUMBER: 60/057,650
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/056,884
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/057,669
; PRIOR FILING DATE: 1997-09-05

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Query Match          90.0%; Score 36; DB 10; Length 117;
Best Local Similarity 100.0%; Pred. No. 7.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      30 LNWSW 34

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RESULT 7
US-10-164-861-360
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; Publication No. US2003025248A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002p1
; CURRENT APPLICATION NUMBER: US/10/164,861
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: US/09/149,476
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: PCT/US98/04493
; PRIOR FILING DATE: 1998-03-06
; NUMBER OF SEQ ID NOS: 757
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 360
; LENGTH: 117

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-164-861-360

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Query Match          90.0%; Score 36; DB 12; Length 117;
Best Local Similarity 100.0%; Pred. No. 7.8e+02;
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Qy      1 LNWSW 5
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Db      30 LNWSW 34

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RESULT 8
US-10-108-260A-2983
; Sequence 2983, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1el full length cDNA
; FILE REFERENCE: HI-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2983
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-2983

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Query Match          90.0%; Score 36; DB 15; Length 117;
Best Local Similarity 100.0%; Pred. No. 7.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 NWSWL 6
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Db      20 NWSWL 24

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RESULT 9
US-10-425-114-53485
; Sequence 53485, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 53485
; LENGTH: 206
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700380171_FLI.pep
US-10-425-114-53485

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Query Match          90.0%; Score 36; DB 12; Length 206;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      2 NWSWL 6
         |||||
Db      94 NWSWL 98

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RESULT 10
US-10-425-114-58553
; Sequence 58553, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 58553
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73245G12_FLI.pep
US-10-425-114-58553

Query Match          90.0%; Score 36; DB 12; Length 284;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 NWSWL 6
Db      128 NWSWL 132

RESULT 11
US-10-425-114-51905
; Sequence 51905, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 51905
; LENGTH: 287
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700221591_FLI.pep
US-10-425-114-51905

Query Match          90.0%; Score 36; DB 12; Length 287;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 NWSWL 6
Db      131 NWSWL 135

RESULT 12
US-10-425-114-65445
; Sequence 65445, Application US/10425114
; Publication No. US20040034888A1
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; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 65445
; LENGTH: 444
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4765-002-C8_FLI.pep
US-10-425-114-65445

Query Match          90.0%; Score 36; DB 12; Length 444;
Best Local Similarity 100.0%; Pred. No. 2.2e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 NWSWL 6
Db      332 NWSWL 336

RESULT 13
US-10-282-122A-73424
; Sequence 73424, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
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; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 73424  
; LENGTH: 455  
; TYPE: PRT  
; ORGANISM: Salmonella paratyphi A  
; FEATURE:  
; NAME/KEY: MISC FEATURE  
; LOCATION: (305)..(305)  
; OTHER INFORMATION: X=any amino acid  
US-10-282-122A-73424

Query Match 90.0%; Score 36; DB 12; Length 455;  
Best Local Similarity 100.0%; Pred. No. 2.2e+03;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 NWSWL 6  
Db 414 NWSWL 418

## RESULT 14

US-10-437-963-160344  
; Sequence 160344, Application US/10437963  
; Publication No. US20040123343A1

; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53221)B

; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 160344  
; LENGTH: 455  
; TYPE: PRT

; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_59631C.1.pap

US-10-437-963-160344

Query Match 90.0%; Score 36; DB 16; Length 455;  
Best Local Similarity 100.0%; Pred. No. 2.2e+03;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 NWSWL 6  
Db 287 NWSWL 291

## RESULT 15

US-10-282-122A-74853  
; Sequence 74853, Application US/10282122A  
; Publication No. US20040029129A1

; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Karl  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBERS: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 74853  
; LENGTH: 460  
; TYPE: PRT  
; ORGANISM: Salmonella typhimurium  
US-10-282-122A-74853

Query Match 90.0%; Score 36; DB 12; Length 460;  
Best Local Similarity 100.0%; Pred. No. 2.2e+03;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 NWSWL 6  
Db 418 NWSWL 422

Search completed: September 23, 2004, 22:47:07  
Job time : 32.7237 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-10

Perfect score: 33

Sequence: 1 LDASWL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*

- 1: /cgn2\_6/prodata/2/iaa/5A.COMB.pdp.\*
- 2: /cgn2\_6/prodata/2/iaa/5B.COMB.pdp.\*
- 3: /cgn2\_6/prodata/2/iaa/6A.COMB.pdp.\*
- 4: /cgn2\_6/prodata/2/iaa/6B.COMB.pdp.\*
- 5: /cgn2\_6/prodata/2/iaa/6C.COMB.pdp.\*
- 6: /cgn2\_6/prodata/2/iaa/6D.COMB.pdp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	90.9	919	3	US-08-985-916-16
2	30	90.9	935	4	US-09-271-438A-3
3	30	90.9	935	4	US-09-271-438A-8
4	30	90.9	935	4	US-10-078-107-1
5	30	90.9	935	4	US-10-077-751-1
6	29	87.9	118	4	US-09-634-238-354
7	29	87.9	136	4	US-09-370-838-123
8	29	87.9	194	4	US-09-252-991A-22578
9	29	87.9	277	4	US-09-252-991A-26048
10	29	87.9	284	4	US-09-134-000C-5861
11	29	87.9	438	4	US-09-252-991A-16758
12	29	87.9	484	4	US-09-489-039A-13722
13	29	87.9	661	4	US-09-252-991A-18225
14	29	87.9	834	4	US-09-252-991A-17616
15	28	84.8	128	4	US-09-205-258-254
16	28	84.8	172	4	US-09-800-729-188
17	28	84.8	210	3	US-08-611-587-4
18	28	84.8	219	3	US-09-247-373B-52
19	28	84.8	323	3	US-09-029-213B-25
20	28	84.8	342	4	US-09-328-352-5861
21	28	84.8	402	4	US-09-252-991A-26529
22	28	84.8	511	4	US-09-252-991A-27306
23	28	84.8	515	4	US-09-489-039A-10635
24	28	84.8	523	4	US-09-323-195A-17
25	28	84.8	529	4	US-09-711-164-431
26	28	84.8	588	4	US-09-252-991A-18861
27	28	84.8	812	4	US-09-489-039A-12075

28	27	81.8	36	1	US-08-118-270-244	Sequence 244, App
29	27	81.8	36	5	PCT-US93-08528-244	Sequence 244, App
30	27	81.8	101	4	US-09-134-000C-6643	Sequence 6643, App
31	27	81.8	134	4	US-09-732-210-395	Sequence 395, App
32	27	81.8	144	4	US-09-732-210-629	Sequence 629, App
33	27	81.8	167	4	US-09-252-991A-27865	Sequence 27865, A
34	27	81.8	233	4	US-09-252-991A-27758	Sequence 27758, A
35	27	81.8	263	2	US-08-790-137-4	Sequence 4, Appli
36	27	81.8	263	2	US-08-824-874-5	Sequence 5, Appli
37	27	81.8	263	3	US-08-807-151-5	Sequence 5, Appli
38	27	81.8	263	3	US-09-210-084-5	Sequence 5, Appli
39	27	81.8	263	4	US-09-478-957-5	Sequence 5, Appli
40	27	81.8	263	4	US-09-764-762-5	Sequence 5, Appli
41	27	81.8	272	4	US-09-252-991A-22260	Sequence 22260, A
42	27	81.8	298	4	US-09-711-164-352	Sequence 352, App
43	27	81.8	307	4	US-09-489-039A-11864	Sequence 11864, A
44	27	81.8	316	4	US-09-252-991A-18153	Sequence 18153, A
45	27	81.8	326	4	US-09-489-039A-11067	Sequence 11067, A

## ALIGNMENTS

RESULT 1  
US-08-985-916-16  
; Sequence 16, Application US/08985916  
; Patent No. 6221636  
; GENERAL INFORMATION:  
; APPLICANT: ATSUSHI HAYAKAWA, MASAKAZU SUGIMOTO, YASUHIKO YOSHIHARA, AND TSUYOSHI  
; TITLE OF INVENTION: METHOD FOR PRODUCING L-LYSINE  
; NUMBER OF SEQUENCES: 24  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MATER & NEUSTADT, P.C.  
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, FOURTH FLOOR  
; CITY: ARLINGTON  
; COUNTRY: VA  
; ZIP: 22152  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/985,916  
; FILING DATE: 05-DEC-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 8-325658  
; FILING DATE: 05-DEC-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: NORMAN F. OBLON  
; REGISTRATION NUMBER: 24,618  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-413-3000  
; TELEFAX: 703-413-2220  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 919 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-985-916-16

Query Match 90.9%; Score 30; DB 3; Length 919;  
Best Local Similarity 83.3%; Pred. No. 1.5e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
Db 105 LDATWL 110

RESULT 2

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US-09-271-438A-3
; Sequence 3, Application US/09271438A
; Patent No. 6331419
; GENERAL INFORMATION:
; APPLICANT: IZUI, Hiroshi
; APPLICANT: ONO, Eiichi
; APPLICANT: MATSUI, Kazuhiko
; APPLICANT: MORIYA, Mika
; APPLICANT: ITO, Hisao
; APPLICANT: HARA, Yoshihiko
; TITLE OF INVENTION: L-GLUTAMIC ACID-PRODUCING BACTERIUM AND METHOD FOR PRODUCING L-GL
; FILE REFERENCE: ACID
; CURRENT APPLICATION NUMBER: 0010-0989-0
; CURRENT FILING DATE: 1999-03-18
; PRIOR APPLICATION NUMBER: JP10-69068
; PRIOR FILING DATE: 1998-03-18
; PRIOR APPLICATION NUMBER: JP10-297129
; PRIOR FILING DATE: 1998-10-19
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 935
; TYPE: PRT
; ORGANISM: Enterobacter agglomerans
US-09-271-438A-3
Query Match          90.9%; Score 30; DB 4; Length 935;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6
Db 10 LDSSWL 15

RESULT 3
US-09-271-438A-8
; Sequence 8, Application US/09271438A
; Patent No. 6331419
; GENERAL INFORMATION:
; APPLICANT: IZUI, Hiroshi
; APPLICANT: ONO, Eiichi
; APPLICANT: MATSUI, Kazuhiko
; APPLICANT: MORIYA, Mika
; APPLICANT: ITO, Hisao
; APPLICANT: HARA, Yoshihiko
; TITLE OF INVENTION: L-GLUTAMIC ACID-PRODUCING BACTERIUM AND METHOD FOR PRODUCING L-GL
; FILE REFERENCE: ACID
; CURRENT APPLICATION NUMBER: 0010-0989-0
; CURRENT FILING DATE: 1999-03-18
; PRIOR APPLICATION NUMBER: JP10-69068
; PRIOR FILING DATE: 1998-03-18
; PRIOR APPLICATION NUMBER: JP10-297129
; PRIOR FILING DATE: 1998-10-19
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 935
; TYPE: PRT
; ORGANISM: Enterobacter agglomerans
US-09-271-438A-8
Query Match          90.9%; Score 30; DB 4; Length 935;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6
Db 10 LDSSWL 15
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RESULT 4
US-10-078-107-1
; Sequence 1, Application US/10078107
; Patent No. 6596517
; GENERAL INFORMATION:
; APPLICANT: IZUI, HIROSHI
; APPLICANT: HARA, YOSHIHIKO
; APPLICANT: SATO, MASAKAZU
; APPLICANT: AKIYOSHI, NAOKI
; TITLE OF INVENTION: METHOD FOR PRODUCING L-GLUTAMIC ACID
; FILE REFERENCE: 219846US0
; CURRENT APPLICATION NUMBER: US/10/078,107
; CURRENT FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: JP 2001-044134
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 935
; TYPE: PRT
; ORGANISM: Enterobacter agglomerans
US-10-078-107-1
Query Match          90.9%; Score 30; DB 4; Length 935;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6
Db 10 LDSSWL 15

RESULT 5
US-10-077-751-1
; Sequence 1, Application US/10077751
; Patent No. 6653110
; GENERAL INFORMATION:
; APPLICANT: SATO, MASAKAZU
; APPLICANT: AKIYOSHI, NAOKI
; TITLE OF INVENTION: METHOD FOR PRODUCING L-GLUTAMIC ACID
; FILE REFERENCE: 219849US0
; CURRENT APPLICATION NUMBER: US/10/077,751
; CURRENT FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: JP 2001-044135
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 935
; TYPE: PRT
; ORGANISM: Enterobacter agglomerans
US-10-077-751-1
Query Match          90.9%; Score 30; DB 4; Length 935;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6
Db 10 LDSSWL 15

RESULT 6
US-09-634-238-354
; Sequence 354, Application US/09634238
; Patent No. 6544772
; GENERAL INFORMATION:
; APPLICANT: Glenn, Matthew
; APPLICANT: Havukkala, Ilkka J.
; APPLICANT: Bloksberg, Leonard, N.
; APPLICANT: Lubbers, Mark W.
; APPLICANT: Dekker, James
; APPLICANT: Christenson, Anna C.
```



; APPLICANT: Holland, Ross  
; APPLICANT: O'Toole, Paul W.  
; APPLICANT: Reid, Julian R.  
; APPLICANT: Coolbear, Timothy  
; TITLE OF INVENTION: Polynucleotides, materials incorporating  
; TITLE OF INVENTION: them and methods for using them.  
; FILE REFERENCE: 11000.1043U1  
; CURRENT APPLICATION NUMBER: US/09/634,238  
; CURRENT FILING DATE: 2000-08-08  
; NUMBER OF SEQ ID NOS: 422  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 354  
; LENGTH: 118  
; TYPE: PRT  
; ORGANISM: Lactobacillus rhamnosus  
US-09-634-238-354

Query Match 87.9%; Score 29; DB 4; Length 118;  
Best Local Similarity 100.0%; Pred. No. 3e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASW 5  
Db 52 LDASW 56

RESULT 7  
US-09-370-838-123  
; Sequence 123, Application US/09370838  
; Patent No. 6444425  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Mohamath, Roadon  
; APPLICANT: Secrist, Heather  
; TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF  
; TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE  
; FILE REFERENCE: 210121.475C1  
; CURRENT APPLICATION NUMBER: US/09/370,838  
; CURRENT FILING DATE: 1999-08-09  
; EARLIER APPLICATION NUMBER: US 09/285,323  
; EARLIER FILING DATE: 1999-04-02  
; NUMBER OF SEQ ID NOS: 289  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 123  
; LENGTH: 136  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-09-370-838-123

Query Match 87.9%; Score 29; DB 4; Length 136;  
Best Local Similarity 100.0%; Pred. No. 3.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASW 5  
Db 32 LDASW 36

RESULT 8  
US-09-252-991A-22578  
; Sequence 22578, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 22578  
; LENGTH: 194  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-22578

Query Match 87.9%; Score 29; DB 4; Length 194;  
Best Local Similarity 100.0%; Pred. No. 4.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DASWL 6  
Db 161 DASWL 165

RESULT 9  
US-09-252-991A-26048  
; Sequence 26048, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 26048  
; LENGTH: 277  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-26048

Query Match 87.9%; Score 29; DB 4; Length 277;  
Best Local Similarity 83.3%; Pred. No. 6.8e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDASWL 6  
Db 89 LDASWL 94

RESULT 10  
US-09-134-000C-5861  
; Sequence 5861, Application US/09134000C  
; Patent No. 6617156  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 032796-032  
; CURRENT APPLICATION NUMBER: US/09/134,000C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/055,778  
; PRIOR FILING DATE: 1997-08-15  
; NUMBER OF SEQ ID NOS: 6812  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5861  
; LENGTH: 284  
; TYPE: PRT  
; ORGANISM: Enterococcus faecalis  
US-09-134-000C-5861

Query Match 87.9%; Score 29; DB 4; Length 284;  
Best Local Similarity 100.0%; Pred. No. 7e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 LDASW 5
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Db      37 LDASW 41

RESULT 11
US-09-252-991A-16758
; Sequence 16758, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 16758
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16758

Query Match      87.9%; Score 29; DB 4; Length 438;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 LDASWL 6
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Db      142 LDTSWL 147

RESULT 12
US-09-489-039A-13722
; Sequence 13722, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 13722
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-13722

Query Match      87.9%; Score 29; DB 4; Length 484;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASW 5
      |||||
Db      91 LDASW 95

RESULT 13
US-09-252-991A-18225
; Sequence 18225, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
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; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18225
; LENGTH: 661
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18225

Query Match      87.9%; Score 29; DB 4; Length 661;
Best Local Similarity 83.3%; Pred. No. 1.6e+03;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 LDASWL 6
      |||||
Db      546 LDGSWL 551

RESULT 14
US-09-252-991A-17616
; Sequence 17616, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17616
; LENGTH: 834
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17616

Query Match      87.9%; Score 29; DB 4; Length 834;
Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASW 5
      |||||
Db      474 LDASW 478

RESULT 15
US-09-205-258-254
; Sequence 254, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,019
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,970
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,972
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,916
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,373
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,875
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,374
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,917
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,949
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,883
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,897
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,898
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,962
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,877
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1227
; SOFTWARE: PatentIn Ver. 2.0

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; SEQ ID NO 254
; LENGTH: 128
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (4)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (12)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (128)
; OTHER INFORMATION: Xaa equals stop translation
; US-09-205-258-254

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Query Match      84.8%; Score 28; DB 4; Length 128;
Best Local Similarity 83.3%; Pred. No. 4.8e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy      1 LDASWL 6
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Db      14 LDISWL 19

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OM protein - protein search, using sw model

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Sequence: 1 LDASWL 6

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- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
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- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	100.0	6	9	US-09-847-940B-10
2	33	100.0	6	10	US-09-847-946A-10
3	33	100.0	105	9	US-09-738-626-6278
4	33	100.0	684	12	US-10-282-122A-69449
5	33	100.0	1174	12	US-10-282-122A-50099
6	33	100.0	1177	12	US-10-282-122A-48238
7	31	93.9	166	16	US-10-767-701-40307
8	30	90.9	106	16	US-10-437-963-105141
9	30	90.9	191	15	US-10-291-265-782
10	30	90.9	221	14	US-10-169-048-2
11	30	90.9	241	16	US-10-437-963-143278
12	30	90.9	261	9	US-09-765-205-14
13	30	90.9	261	15	US-10-360-849A-12
14	30	90.9	261	15	US-10-360-849A-15
15	30	90.9	261	15	US-10-360-849A-18

16	30	90.9	277	15	US-10-291-265-310	Sequence 310, App
17	30	90.9	612	12	US-10-282-122A-52265	Sequence 52265, A
18	30	90.9	648	16	US-10-755-889-455	Sequence 455, App
19	30	90.9	686	12	US-10-282-122A-67777	Sequence 67777, A
20	30	90.9	919	9	US-09-738-626-6970	Sequence 6970, App
21	30	90.9	924	16	US-10-781-014-110	Sequence 110, App
22	30	90.9	935	9	US-09-784-208-3	Sequence 3, Appli
23	30	90.9	935	13	US-10-078-107-1	Sequence 1, Appli
24	30	90.9	935	13	US-10-077-751-1	Sequence 1, Appli
25	30	90.9	935	14	US-10-315-023-3	Sequence 3, Appli
26	30	90.9	935	14	US-10-315-023-8	Sequence 8, Appli
27	30	90.9	935	14	US-10-077-745-1	Sequence 1, Appli
28	30	90.9	935	14	US-10-338-913-1	Sequence 1, Appli
29	30	90.9	1772	16	US-10-437-963-143280	Sequence 143280,
30	30	90.9	1844	16	US-10-437-963-143282	Sequence 143282,
31	29	87.9	12	12	US-10-601-837-237	Sequence 237, App
32	29	87.9	58	16	US-10-437-963-126150	Sequence 126150,
33	29	87.9	65	12	US-10-424-599-231343	Sequence 231343,
34	29	87.9	69	12	US-10-424-599-182512	Sequence 182512,
35	29	87.9	69	12	US-10-424-599-259884	Sequence 259884,
36	29	87.9	71	16	US-10-767-701-63103	Sequence 63103, A
37	29	87.9	86	16	US-10-437-963-146004	Sequence 146004,
38	29	87.9	103	16	US-10-767-701-32179	Sequence 32179, A
39	29	87.9	106	16	US-10-767-701-59064	Sequence 59064, A
40	29	87.9	110	16	US-10-767-701-61735	Sequence 61735, A
41	29	87.9	111	12	US-10-424-599-194298	Sequence 194298,
42	29	87.9	136	9	US-09-738-973-123	Sequence 123, App
43	29	87.9	136	9	US-09-854-133-123	Sequence 123, App
44	29	87.9	136	14	US-10-144-649A-123	Sequence 123, App
45	29	87.9	143	12	US-10-424-599-153300	Sequence 153300,

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-10  
; Sequence 10, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-10

Query Match 100.0%; Score 33; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
| | | | |  
Db 1 LDASWL 6

RESULT 2  
US-09-847-946A-10  
; Sequence 10, Application US/09847946A  
; Publication No. US2003005499A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn ver. 2.0  
SEQ ID NO 10  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-10

Query Match 100.0%; Score 33; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
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Db 1 LDASWL 6

## RESULT 3

US-09-738-626-6278  
Sequence 6278, Application US/09738626  
Publication No. US20020197605A1  
GENERAL INFORMATION:  
APPLICANT: NAKAGAWA, SATOSHI  
APPLICANT: ANDO, SEIKO  
APPLICANT: HAYASHI, MIKIRO  
APPLICANT: OCHIAI, KEIKO  
APPLICANT: YOKOI, HARUHIKO  
APPLICANT: TATEISHI, NAOKO  
APPLICANT: SENOH, AKIHIRO  
APPLICANT: IKEDA, MASATO  
APPLICANT: OZAKI, AKIO  
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
FILE REFERENCE: 249-125  
CURRENT APPLICATION NUMBER: US/09/738,626  
CURRENT FILING DATE: 2000-12-18  
PRIOR APPLICATION NUMBER: JP 99/377484  
PRIOR FILING DATE: 1999-12-16  
PRIOR APPLICATION NUMBER: JP 00/159162  
PRIOR FILING DATE: 2000-04-07  
PRIOR APPLICATION NUMBER: JP 00/280988  
PRIOR FILING DATE: 2000-08-03  
NUMBER OF SEQ ID NOS: 7059  
SOFTWARE: PatentIn ver. 3.0  
SEQ ID NO 6278  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Corynebacterium glutamicum  
US-09-738-626-6278

Query Match 100.0%; Score 33; DB 9; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
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Db 48 LDASWL 53

## RESULT 4

US-10-282-122A-69449  
Sequence 69449, Application US/10282122A  
Publication No. US20040029129A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Liangsu  
APPLICANT: Zamudio, Carlos  
APPLICANT: Malone, Cheryl  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Kari  
APPLICANT: Zyskind, Judith  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John  
APPLICANT: Carr, Grant  
APPLICANT: Yamamoto, Robert  
APPLICANT: Forsyth, R.  
APPLICANT: Xu, H.  
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
FILE REFERENCE: ELITRA.034A  
CURRENT APPLICATION NUMBER: US/10/282,122A  
CURRENT FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/230,335  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/230,347  
PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 69449  
LENGTH: 684  
TYPE: PRT  
ORGANISM: Pseudomonas syringae  
US-10-282-122A-69449

Query Match 100.0%; Score 33; DB 12; Length 684;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
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Db 340 LDASWL 345

## RESULT 5

US-10-282-122A-50099  
Sequence 50099, Application US/10282122A  
Publication No. US20040029129A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Liangsu  
APPLICANT: Zamudio, Carlos  
APPLICANT: Malone, Cheryl  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Kari  
APPLICANT: Zyskind, Judith  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John  
APPLICANT: Carr, Grant

```

; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50099
; LENGTH: 1174
; TYPE: PRT
; ORGANISM: Burkholderia mallei
US-10-282-122A-50099

Query Match      100.0%; Score 33; DB 12; Length 1174;
Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASWL 6
DB      116 LDASWL 121
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RESULT 6
US-10-282-122A-48238
; Sequence 48238, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335

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; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48238
; LENGTH: 1177
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
US-10-282-122A-48238

Query Match      100.0%; Score 33; DB 12; Length 1177;
Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASWL 6
DB      116 LDASWL 121
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RESULT 7
US-10-767-701-40307
; Sequence 40307, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 40307
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C55237_1.pep
US-10-767-701-40307

Query Match      93.9%; Score 31; DB 16; Length 166;
Best Local Similarity 83.3%; Pred. No. 8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASWL 6
DB      30 LDASWI 35
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RESULT 8
US-10-437-963-105141
; Sequence 105141, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.

```

; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 105141  
; LENGTH: 106  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_102411C.1.pep  
US-10-437-963-105141

Query Match 90.9%; Score 30; DB 16; Length 106;  
Best Local Similarity 83.3%; Pred. No. 8e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
Db 16 LDASWV 21

## RESULT 9

US-10-291-265-782  
; Sequence 782, Application US/10291265  
; Publication No. US20030232054A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc.  
; APPLICANT: Tang et al  
; TITLE OF INVENTION: No. US20030232054A1el Nucleic Acids and Polypeptides  
; FILE REFERENCE: 21272-017 (785)  
; CURRENT APPLICATION NUMBER: US/10/291,265  
; CURRENT FILING DATE: 2000-01-25  
; PRIOR APPLICATION NUMBER: 09/491,404  
; PRIOR FILING DATE: 2000-01-25  
; PRIOR APPLICATION NUMBER: 09/517,746  
; PRIOR FILING DATE: 2000-07-17  
; PRIOR APPLICATION NUMBER: 09/631,451  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: 09/633,870  
; PRIOR FILING DATE: 2000-09-15  
; NUMBER OF SEQ ID NOS: 944  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 782  
; LENGTH: 191  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-291-265-782

Query Match 90.9%; Score 30; DB 15; Length 191;  
Best Local Similarity 83.3%; Pred. No. 1.3e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
Db 161 LDASWV 166

## RESULT 10

US-10-169-048-2  
; Sequence 2, Application US/10169048  
; Publication No. US20030072769A1  
; GENERAL INFORMATION:  
; APPLICANT: Clarke, Edna Elizabeth  
; APPLICANT: Zhou, Liqing  
; APPLICANT: Shea, Jacqueline Elizabeth  
; APPLICANT: Feldman, Robert Graham  
; APPLICANT: Holden, David William  
; TITLE OF INVENTION: Streptococcus Pyogenes Virulence Genes and Proteins And Their Use  
; FILE REFERENCE: GJE-97

; CURRENT APPLICATION NUMBER: US/10/169,048  
; CURRENT FILING DATE: 2002-06-24  
; PRIOR APPLICATION NUMBER: PCT/GB00/04997  
; PRIOR FILING DATE: 2000-12-22  
; NUMBER OF SEQ ID NOS: 62  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 221  
; TYPE: PRT  
; ORGANISM: Streptococcus pyogenes  
US-10-169-048-2

Query Match 90.9%; Score 30; DB 14; Length 221;  
Best Local Similarity 83.3%; Pred. No. 1.5e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
Db 36 LDAAWL 41

## RESULT 11

US-10-437-963-143278  
; Sequence 143278, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 143278  
; LENGTH: 241  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(241)  
; OTHER INFORMATION: unsure at all Xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_44201C.1.psp  
US-10-437-963-143278

Query Match 90.9%; Score 30; DB 16; Length 241;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
Db 81 LDAAWL 86

## RESULT 12

US-09-765-205-14  
; Sequence 14, Application US/09765205  
; Patent No. US20020034800A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Li  
; TITLE OF INVENTION: BONE MARROW SECRETED PROTEINS AND POLYNUCLEOTIDES  
; FILE REFERENCE: 1458.004/200130.449  
; CURRENT APPLICATION NUMBER: US/09/765,205  
; CURRENT FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: US/09/212,440  
; PRIOR FILING DATE: 1998-12-16



; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: Fast-SEQ for Windows Version 3.0  
; SEQ ID NO 14  
; LENGTH: 261  
; TYPE: PRT  
; ORGANISM: human  
US-09-765-205-14

Query Match 90.9%; Score 30; DB 9; Length 261;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
Db 161 LDASWV 166

RESULT 13  
US-10-360-849A-12  
; Sequence 12, Application US/10360849A  
; Publication No. US20030220249A1  
; GENERAL INFORMATION:  
; APPLICANT: Discovery Genomics, Inc.  
; APPLICANT: Hackett, Perry  
; APPLICANT: Nasevicius, Aidas  
; APPLICANT: Essner, Jeffrey  
; APPLICANT: Clark, Karl  
; APPLICANT: Larson, Jon  
; APPLICANT: Ekker, Stephen  
; APPLICANT: Roberg-Perez, Sharon  
; APPLICANT: Wadman, Shannon  
; TITLE OF INVENTION: FACTORS FOR ANGIOGENESIS, VASCULOGENESIS, CARTILAGE FORMATION,  
; TITLE OF INVENTION: BONE FORMATION, AND METHODS OF USE THEREOF  
; FILE REFERENCE: 3021.05US02  
; CURRENT APPLICATION NUMBER: US/10/360,849A  
; PRIOR FILING DATE: 2003-02-07  
; PRIOR APPLICATION NUMBER: US 60/354,978  
; PRIOR FILING DATE: 2002-02-07  
; NUMBER OF SEQ ID NOS: 72  
; SOFTWARE: Patentin version 3.2  
; SEQ ID NO 12  
; LENGTH: 261  
; TYPE: PRT  
; ORGANISM: danio rerio  
US-10-360-849A-12

Query Match 90.9%; Score 30; DB 15; Length 261;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
Db 161 LDASWV 166

RESULT 14  
US-10-360-849A-15  
; Sequence 15, Application US/10360849A  
; Publication No. US20030220249A1  
; GENERAL INFORMATION:  
; APPLICANT: Discovery Genomics, Inc.  
; APPLICANT: Hackett, Perry  
; APPLICANT: Nasevicius, Aidas  
; APPLICANT: Essner, Jeffrey  
; APPLICANT: Clark, Karl  
; APPLICANT: Larson, Jon  
; APPLICANT: Ekker, Stephen  
; APPLICANT: Roberg-Perez, Sharon  
; APPLICANT: Wadman, Shannon  
; TITLE OF INVENTION: FACTORS FOR ANGIOGENESIS, VASCULOGENESIS, CARTILAGE FORMATION,  
; TITLE OF INVENTION: BONE FORMATION, AND METHODS OF USE THEREOF  
; FILE REFERENCE: 3021.05US02  
; CURRENT APPLICATION NUMBER: US/10/360,849A

; CURRENT FILING DATE: 2003-02-07  
; PRIOR APPLICATION NUMBER: US 60/354,978  
; PRIOR FILING DATE: 2002-02-07  
; NUMBER OF SEQ ID NOS: 72  
; SOFTWARE: Patentin version 3.2  
; SEQ ID NO 15  
; LENGTH: 261  
; TYPE: PRT  
; ORGANISM: mus musculus  
US-10-360-849A-15

Query Match 90.9%; Score 30; DB 15; Length 261;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
Db 161 LDASWV 166

RESULT 15  
US-10-360-849A-18  
; Sequence 18, Application US/10360849A  
; Publication No. US20030220249A1  
; GENERAL INFORMATION:  
; APPLICANT: Discovery Genomics, Inc.  
; APPLICANT: Hackett, Perry  
; APPLICANT: Nasevicius, Aidas  
; APPLICANT: Essner, Jeffrey  
; APPLICANT: Clark, Karl  
; APPLICANT: Larson, Jon  
; APPLICANT: Ekker, Stephen  
; APPLICANT: Roberg-Perez, Sharon  
; APPLICANT: Wadman, Shannon  
; TITLE OF INVENTION: FACTORS FOR ANGIOGENESIS, VASCULOGENESIS, CARTILAGE FORMATION,  
; TITLE OF INVENTION: BONE FORMATION, AND METHODS OF USE THEREOF  
; FILE REFERENCE: 3021.05US02  
; CURRENT APPLICATION NUMBER: US/10/360,849A  
; PRIOR FILING DATE: 2003-02-07  
; PRIOR APPLICATION NUMBER: US 60/354,978  
; PRIOR FILING DATE: 2002-02-07  
; NUMBER OF SEQ ID NOS: 72  
; SOFTWARE: Patentin version 3.2  
; SEQ ID NO 18  
; LENGTH: 261  
; TYPE: PRT  
; ORGANISM: home sapiens  
US-10-360-849A-18

Query Match 90.9%; Score 30; DB 15; Length 261;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
Db 161 LDASWV 166

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Job time : 34.7237 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-11

Perfect score: 35

Sequence: 1 LDPSWL 6

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/ptodata/2/iaa/6CTUS\_COMB.pep.\*
- 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	32	91.4	101	4	US-09-134-000C-6643
2	32	91.4	452	4	US-09-252-991A-31360
3	31	88.6	21	1	US-08-798-897-13
4	31	88.6	21	2	US-08-978-523-13
5	31	88.6	23	2	US-08-337-646A-23
6	31	88.6	23	3	US-08-927-326-23
7	31	88.6	25	2	US-08-337-646A-29
8	31	88.6	25	3	US-08-927-326-29
9	31	88.6	154	1	US-08-077-848A-3
10	31	88.6	154	3	US-09-211-640-3
11	31	88.6	154	3	US-09-378-536-3
12	31	88.6	154	4	US-09-687-260-3
13	31	88.6	229	2	US-08-408-095-19
14	31	88.6	232	2	US-08-408-095-17
15	31	88.6	232	2	US-08-408-095-18
16	31	88.6	236	1	US-08-112-208C-11
17	31	88.6	236	1	US-08-248-819A-11
18	31	88.6	236	1	US-08-607-269-21
19	31	88.6	236	1	US-08-607-269-22
20	31	88.6	236	2	US-08-337-646A-11
21	31	88.6	236	2	US-08-856-531-11
22	31	88.6	236	2	US-08-856-034-11
23	31	88.6	236	3	US-09-127-048-9
24	31	88.6	236	3	US-08-927-326-11
25	31	88.6	236	4	US-09-379-820A-11
26	31	88.6	236	5	PCT-US95-04600-21
27	31	88.6	236	5	PCT-US95-04600-22

28	31	88.6	239	1	US-08-333-565-51	Sequence 51, Appl
29	31	88.6	239	1	US-08-112-208C-10	Sequence 10, Appl
30	31	88.6	239	1	US-08-248-819A-10	Sequence 10, Appl
31	31	88.6	239	1	US-08-248-819A-12	Sequence 12, Appl
32	31	88.6	239	1	US-08-607-269-20	Sequence 20, Appl
33	31	88.6	239	1	US-08-471-058-12	Sequence 12, Appl
34	31	88.6	239	1	US-08-405-702A-12	Sequence 12, Appl
35	31	88.6	239	1	US-08-690-095-4	Sequence 4, Appl
36	31	88.6	239	2	US-08-465-485A-21	Sequence 21, Appl
37	31	88.6	239	2	US-08-661-479-51	Sequence 51, Appl
38	31	88.6	239	2	US-08-365-486A-15	Sequence 15, Appl
39	31	88.6	239	2	US-08-365-486A-17	Sequence 17, Appl
40	31	88.6	239	2	US-08-337-646A-10	Sequence 10, Appl
41	31	88.6	239	2	US-08-337-646A-12	Sequence 12, Appl
42	31	88.6	239	2	US-08-408-095-16	Sequence 16, Appl
43	31	88.6	239	2	US-08-856-531-10	Sequence 10, Appl
44	31	88.6	239	2	US-08-856-034-10	Sequence 10, Appl
45	31	88.6	239	3	US-08-471-057-12	Sequence 12, Appl

#### ALIGNMENTS

RESULT 1  
US-09-134-000C-6643  
; Sequence 6643, Application US/09134000C  
; Patent No. 6617156  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 032796-032  
; CURRENT APPLICATION NUMBER: US/09/134,000C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/055,778  
; PRIOR FILING DATE: 1997-08-15  
; NUMBER OF SEQ ID NOS: 6812  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6643  
; LENGTH: 101  
; TYPE: PRT  
; ORGANISM: Enterococcus faecalis  
US-09-134-000C-6643

Query Match 91.4%; Score 32; DB 4; Length 101;  
Best Local Similarity 83.3%; Pred. No. 91;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDPSWL 6  
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Db 83 LDYSWL 88

RESULT 2  
US-09-252-991A-31360  
; Sequence 31360, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 31360  
; LENGTH: 452  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-31360

Query Match 91.4%; Score 32; DB 4; Length 452;  
Best Local Similarity 83.3%; Pred. No. 3.9e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFS WL 6

DB 410 LDFAWL 415

## RESULT 3

US-08-798-897-13  
; Sequence 13, Application US/08798897  
; Patent No. 5789201  
; GENERAL INFORMATION:  
; APPLICANT: Guastella, John  
; TITLE OF INVENTION: Genes Coding For Bcl-y, a Bcl-2  
; TITLE OF INVENTION: Homologue  
; NUMBER OF SEQUENCES: 53  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
; STREET: 1100 New York Avenue, N.W., Suite 600  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/798,897  
; FILING DATE: February 11, 1997  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Esmond, Robert W.  
; REGISTRATION NUMBER: 32,893  
; REFERENCE/DOCKET NUMBER: 1483.0140001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 21 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide

US-08-798-897-13

Query Match 88.6%; Score 31; DB 1; Length 21;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DFS WL 6

DB 7 DFS WL 11

## RESULT 4

US-08-978-523-13  
; Sequence 13, Application US/08978523  
; Patent No. 5883229  
; GENERAL INFORMATION:  
; APPLICANT: Guastella, John  
; TITLE OF INVENTION: Genes Coding For Bcl-y, a Bcl-2  
; TITLE OF INVENTION: Homologue  
; NUMBER OF SEQUENCES: 53  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
; STREET: 1100 New York Avenue, N.W., Suite 600

; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/978,523  
; FILING DATE: herewith  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/798,897  
; FILING DATE: February 11, 1997  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Esmond, Robert W.  
; REGISTRATION NUMBER: 32,893  
; REFERENCE/DOCKET NUMBER: 1483.0140002  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 21 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide

US-08-978-523-13

Query Match 88.6%; Score 31; DB 2; Length 21;  
Best Local Similarity 100.0%; Pred. No. 29;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DFS WL 6

DB 7 DFS WL 11

## RESULT 5

US-08-337-646A-23  
; Sequence 23, Application US/08337646A  
; Patent No. 5856171  
; GENERAL INFORMATION:  
; APPLICANT: KORSMEYER, Stanley J.  
; TITLE OF INVENTION: CELL DEATH REGULATORS  
; NUMBER OF SEQUENCES: 78  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: 379 Lytton Avenue  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: US  
; ZIP: 94301

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/337,646A  
; FILING DATE: 10-NOV-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/248,819  
; FILING DATE: 25-MAY-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/112,208  
; FILING DATE: 26-AUG-1993  
; ATTORNEY/AGENT INFORMATION:

US-08-337-646A-23

; NAME: Smith, William M  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 15726A-000620  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 23 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-337-646A-23

Query Match 88.6%; Score 31; DB 2; Length 23;  
Best Local Similarity 100.0%; Pred. No. 32;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DFSWL 6  
Db 16 DFSWL 20

RESULT 6  
US-08-927-326-23  
; Sequence 23, Application US/08927326  
; Patent No. 6184202  
; GENERAL INFORMATION:  
; APPLICANT: KORSMEYER, Stanley J.  
; TITLE OF INVENTION: CELL DEATH REGULATORS  
; NUMBER OF SEQUENCES: 78  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: 379 Lytton Avenue  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: US  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/927,326  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/337,646  
; FILING DATE: 10-NOV-1994  
; APPLICATION NUMBER: US 08/248,819  
; FILING DATE: 25-MAY-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/112,208  
; FILING DATE: 26-AUG-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 15726A-000620  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 23 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-927-326-23

Query Match 88.6%; Score 31; DB 3; Length 23;

Best Local Similarity 100.0%; Pred. No. 32;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2 DFSWL 6  
Db 16 DFSWL 20

RESULT 7  
US-08-337-646A-29  
; Sequence 29, Application US/08337646A  
; Patent No. 5856171  
; GENERAL INFORMATION:  
; APPLICANT: KORSMEYER, Stanley J.  
; TITLE OF INVENTION: CELL DEATH REGULATORS  
; NUMBER OF SEQUENCES: 78  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew  
; STREET: 379 Lytton Avenue  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: US  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/337,646A  
; FILING DATE: 10-NOV-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/248,819  
; FILING DATE: 25-MAY-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/112,208  
; FILING DATE: 26-AUG-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 15726A-000620  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422  
; INFORMATION FOR SEQ ID NO: 29:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 25 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-337-646A-29

Query Match 88.6%; Score 31; DB 2; Length 25;  
Best Local Similarity 100.0%; Pred. No. 34;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DFSWL 6  
Db 16 DFSWL 20

RESULT 8  
US-08-927-326-29  
; Sequence 29, Application US/08927326  
; Patent No. 6184202  
; GENERAL INFORMATION:  
; APPLICANT: KORSMEYER, Stanley J.  
; TITLE OF INVENTION: CELL DEATH REGULATORS  
; NUMBER OF SEQUENCES: 78  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Kourie and Crew

```

; STREET: 379 Lytton Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: US
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/927,326
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/337,646
; FILING DATE: 10-NOV-1994
; APPLICATION NUMBER: US 08/248,819
; FILING DATE: 25-MAY-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/112,208
; FILING DATE: 26-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M
; REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 15726A-000620
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 25 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-927-326-29

Query Match 88.6%; Score 31; DB 3; Length 25;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DFSWL 6
Db 16 DFSWL 20

RESULT 9
US-08-077-848A-3
; Sequence 3, Application US/08077848A
; Patent No. 5470955
; GENERAL INFORMATION:
; APPLICANT: Craig, Ruth W.
; TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
; TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/077,848A
; FILING DATE: 16-JUN-1993
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:

; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: PD-2845
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 154 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: bcl-2alpha
; US-08-077-848A-3

Query Match 88.6%; Score 31; DB 1; Length 154;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DFSWL 6
Db 126 DFSWL 130

RESULT 10
US-09-211-640-3
; Sequence 3, Application US/09211640
; Patent No. 6020466
; GENERAL INFORMATION:
; APPLICANT: Craig, Ruth W.
; TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
; TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,640
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/441,375
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: PD-2845
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 154 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: bcl-2alpha
; US-09-211-640-3
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; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..154
US-09-211-640-3
Query Match      88.6%; Score 31; DB 3; Length 154;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DFSWL 6
Db      126 DFSWL 130

RESULT 11
US-09-378-536-3
; Sequence 3, Application US/09378536
; Patent No. 6200763
; GENERAL INFORMATION:
; APPLICANT: Craig, Ruth W.
; TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1890 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,536
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/077,848
; FILING DATE: 16-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: PD-2845
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 154 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: bcl-2alpha
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..154
US-09-378-536-3
Query Match      88.6%; Score 31; DB 3; Length 154;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DFSWL 6
Db      126 DFSWL 130

RESULT 12
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US-09-687-260-3
; Sequence 3, Application US/09687260
; Patent No. 6528263
; GENERAL INFORMATION:
; APPLICANT: Craig, Ruth W.
; TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/687,260
; FILING DATE: 12-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,536
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: PD-2845
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 154 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: bcl-2alpha
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..154
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-687-260-3
Query Match      88.6%; Score 31; DB 4; Length 154;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DFSWL 6
Db      126 DFSWL 130

RESULT 13
US-08-408-095-19
; Sequence 19, Application US/08408095
; Patent No. 5858678
; GENERAL INFORMATION:
; APPLICANT: Chinadurai, Govindaswamy
; TITLE OF INVENTION: APOPTOSIS-REGULATING PROTEINS
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SUGHRUE, MIOW, ZINN, MACPEAK & SEAS
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
```

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 21-MAR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-7860
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 229 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-408-095-19

Query Match      88.6%; Score 31; DB 2; Length 229;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 DFSWL 6
Db      201 DFSWL 205

RESULT 14
US-08-408-095-17
; Sequence 17, Application US/08408095
; Patent No. 5958678
; GENERAL INFORMATION:
; APPLICANT: Chinnadurai, Govindaswamy
; TITLE OF INVENTION: APOPTOSIS-REGULATING PROTEINS
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 21-MAR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-7860
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-408-095-17

Query Match      88.6%; Score 31; DB 2; Length 232;
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Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 DFSWL 6
Db      204 DFSWL 208

RESULT 15
US-08-408-095-18
; Sequence 18, Application US/08408095
; Patent No. 5958678
; GENERAL INFORMATION:
; APPLICANT: Chinnadurai, Govindaswamy
; TITLE OF INVENTION: APOPTOSIS-REGULATING PROTEINS
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 21-MAR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-7860
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-408-095-18

Query Match      88.6%; Score 31; DB 2; Length 232;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      2 DFSWL 6
Db      204 DFSWL 208

Search completed: September 23, 2004, 21:27:34
Job time : 10.75 secs
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OM protein - protein search, using sw model  
Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-11  
Perfect score: 35  
Sequence: 1 LDFS WL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues  
Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	35	100.0	6	9	US-09-847-940B-11
2	35	100.0	6	10	US-09-847-946A-11
3	35	100.0	6	10	US-09-847-946A-42
4	35	100.0	6	10	US-09-847-946A-84
5	35	100.0	7	10	US-09-847-946A-88
6	35	100.0	8	10	US-09-847-946A-81
7	35	100.0	8	10	US-09-847-946A-89
8	35	100.0	9	10	US-09-847-946A-80
9	35	100.0	9	10	US-09-847-946A-83
10	35	100.0	9	10	US-09-847-946A-86
11	35	100.0	9	10	US-09-847-946A-87
12	35	100.0	10	10	US-09-847-946A-82
13	35	100.0	10	10	US-09-847-946A-85
14	35	100.0	11	10	US-09-847-946A-79
15	35	100.0	484	12	US-10-282-122A-49573

16	35	100.0	694	16	US-10-437-963-144435	Sequence 144435,
17	33	94.3	253	12	US-10-335-977-4940	Sequence 4940, Ap
18	33	94.3	285	9	US-09-881-752A-368	Sequence 368, App
19	33	94.3	265	12	US-10-335-977-4941	Sequence 4941, Ap
20	33	94.3	868	15	US-10-369-493-22465	Sequence 22465, A
21	32	91.4	6	9	US-09-847-940B-12	Sequence 12, Appl
22	32	91.4	6	10	US-09-847-946A-12	Sequence 12, Appl
23	32	91.4	6	10	US-09-847-946A-95	Sequence 95, Appl
24	32	91.4	7	10	US-09-847-946A-99	Sequence 99, Appl
25	32	91.4	8	10	US-09-847-946A-92	Sequence 92, Appl
26	32	91.4	8	10	US-09-847-946A-100	Sequence 100, App
27	32	91.4	9	10	US-09-847-946A-91	Sequence 91, Appl
28	32	91.4	9	10	US-09-847-946A-94	Sequence 94, Appl
29	32	91.4	9	10	US-09-847-946A-97	Sequence 97, Appl
30	32	91.4	9	10	US-09-847-946A-96	Sequence 96, Appl
31	32	91.4	10	10	US-09-847-946A-93	Sequence 93, Appl
32	32	91.4	10	10	US-09-847-946A-90	Sequence 90, Appl
33	32	91.4	11	10	US-09-847-946A-90	Sequence 90, Appl
34	32	91.4	439	12	US-10-282-122A-68227	Sequence 68227, A
35	31	88.6	46	16	US-10-109-048-1118	Sequence 1118, Ap
36	31	88.6	46	16	US-10-109-048-1124	Sequence 1124, Ap
37	31	88.6	61	12	US-10-424-599-155428	Sequence 155428,
38	31	88.6	64	12	US-10-424-599-178911	Sequence 178911,
39	31	88.6	64	12	US-10-424-599-273735	Sequence 273735,
40	31	88.6	72	16	US-10-437-963-115180	Sequence 115180,
41	31	88.6	91	12	US-10-424-599-254023	Sequence 254023,
42	31	88.6	106	11	US-09-864-408A-5624	Sequence 5624, Ap
43	31	88.6	111	12	US-10-424-599-199937	Sequence 199937,
44	31	88.6	116	12	US-10-424-599-188964	Sequence 188964,
45	31	88.6	122	12	US-10-425-114-51421	Sequence 51421, A

## ALIGNMENTS

### RESULT 1

US-09-847-940B-11  
; Sequence 11, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-11

Query Match 100.0%; Score 35; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFS WL 6  
Db 1 LDFS WL 6

### RESULT 2

US-09-847-946A-11  
; Sequence 11, Application US/09847946A  
; Publication No. US2003005499A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-11

Query Match 100.0%; Score 35; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFS WL 6  
| | | | |  
Db 1 LDFS WL 6

RESULT 3  
US-09-847-946A-42  
; Sequence 42, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 42  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-42

Query Match 100.0%; Score 35; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFS WL 6  
| | | | |  
Db 1 LDFS WL 6

RESULT 4  
US-09-847-946A-84  
; Sequence 84, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 84  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-84

Query Match 100.0%; Score 35; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFS WL 6  
| | | | |  
Db 1 LDFS WL 6

RESULT 5  
US-09-847-946A-88  
; Sequence 88, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 88  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-88

Query Match 100.0%; Score 35; DB 10; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFS WL 6  
| | | | |  
Db 1 LDFS WL 6

RESULT 6

US-09-847-946A-81  
; Sequence 81, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 81  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-81

Query Match 100.0%; Score 35; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFSWL 6  
Db 3 LDFSWL 8

RESULT 7  
US-09-847-946A-89  
; Sequence 89, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 89  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-89

Query Match 100.0%; Score 35; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFSWL 6  
Db 1 LDFSWL 6

RESULT 8  
US-09-847-946A-80  
; Sequence 80, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 80  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-80

Query Match 100.0%; Score 35; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFSWL 6  
Db 1 LDFSWL 6

RESULT 9  
US-09-847-946A-83  
; Sequence 83, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 83  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-83

Query Match 100.0%; Score 35; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFS WL 6  
| | | | |  
Db 1 LDFS WL 6

## RESULT 10

US-09-847-946A-86  
; Sequence 86, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 86  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-86

Query Match 100.0%; Score 35; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFS WL 6  
| | | | |  
Db 3 LDFS WL 8

## RESULT 11

US-09-847-946A-87  
; Sequence 87, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 87  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-87

Query Match 100.0%; Score 35; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFS WL 6  
| | | | |  
Db 2 LDFS WL 7

## RESULT 12

US-09-847-946A-82  
; Sequence 82, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 82  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-82

Query Match 100.0%; Score 35; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.7;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFS WL 6  
| | | | |  
Db 2 LDFS WL 7

## RESULT 13

US-09-847-946A-85  
; Sequence 85, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 85  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-85

## US-09-847-946A-85

Query Match 100.0%; Score 35; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFS WL 6  
| | | | |  
Db 3 LDFS WL 8

## RESULT 14

US-09-847-946A-79  
; Sequence 79, Application US/09847946A  
; Publication No. US2003005499A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 79  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-79

Query Match 100.0%; Score 35; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 18;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFS WL 6  
| | | | |  
Db 3 LDFS WL 8

## RESULT 15

US-10-282-122A-49573  
; Sequence 49573, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 49573  
; LENGTH: 484  
; TYPE: PRT  
; ORGANISM: Burkholderia fungorum  
US-10-282-122A-49573

Query Match 100.0%; Score 35; DB 12; Length 484;  
Best Local Similarity 100.0%; Pred. No. 4.8e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFS WL 6  
| | | | |  
Db 383 LDFS WL 388

Search completed: September 23, 2004, 22:47:09  
Job time : 32.7237 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-12  
Perfect score: 36  
Sequence: 1 LDYSLW 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
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2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PTUS COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	36	100.0	101	US-09-134-000C-6643	Sequence 6643, Ap
2	33	91.7	404	US-08-696-770-2	Sequence 2, Appli
3	33	91.7	404	US-09-015-557-2	Sequence 2, Appli
4	32	88.9	217	US-09-107-532A-4133	Sequence 4133, Ap
5	32	88.9	228	US-09-252-991A-24998	Sequence 24998, A
6	32	88.9	230	US-08-637-759B-457	Sequence 457, App
7	32	88.9	230	US-08-871-355A-457	Sequence 457, App
8	32	88.9	230	US-09-201-945-457	Sequence 457, App
9	32	88.9	351	US-08-591-685-7	Sequence 7, Appli
10	32	88.9	375	US-08-591-685-11	Sequence 11, Appl
11	32	88.9	404	US-08-282-197C-62	Sequence 62, Appl
12	32	88.9	438	US-08-282-197C-59	Sequence 59, Appl
13	32	88.9	1426	US-09-136-574A-43	Sequence 43, Appl
14	31	86.1	745	US-08-887-518-3	Sequence 53, Appl
15	31	86.1	745	US-09-023-321-3	Sequence 3, Appli
16	31	86.1	745	US-08-890-853-4	Sequence 4, Appli
17	31	86.1	745	US-09-032-475-3	Sequence 3, Appli
18	31	86.1	745	US-09-099-125A-4	Sequence 4, Appli
19	31	86.1	745	US-09-099-124A-2	Sequence 4, Appli
20	31	86.1	745	US-09-032-476-4	Sequence 4, Appli
21	31	86.1	745	US-08-890-854-4	Sequence 4, Appli
22	31	86.1	745	US-09-023-324-4	Sequence 4, Appli
23	31	86.1	745	US-09-168-629-2	Sequence 2, Appli
24	31	86.1	745	US-08-910-820-10	Sequence 10, Appl
25	31	86.1	745	US-08-810-131A-2	Sequence 2, Appli
26	31	86.1	745	US-09-109-986-4	Sequence 4, Appli
27	31	86.1	745	US-09-844-908-10	Sequence 10, Appl

28	31	86.1	745	4	US-09-868-758-3	Sequence 3, Appli
29	31	86.1	756	2	US-08-887-518-4	Sequence 4, Appli
30	31	86.1	756	2	US-09-023-321-4	Sequence 2, Appli
31	31	86.1	756	2	US-08-890-853-2	Sequence 2, Appli
32	31	86.1	756	2	US-09-032-475-4	Sequence 4, Appli
33	31	86.1	756	2	US-09-099-125A-2	Sequence 2, Appli
34	31	86.1	756	2	US-09-099-124A-2	Sequence 2, Appli
35	31	86.1	756	3	US-09-032-476-2	Sequence 2, Appli
36	31	86.1	756	3	US-08-890-854-2	Sequence 2, Appli
37	31	86.1	756	3	US-09-023-324-2	Sequence 2, Appli
38	31	86.1	756	3	US-09-168-629-15	Sequence 15, Appl
39	31	86.1	756	3	US-08-910-820-9	Sequence 9, Appli
40	31	86.1	756	4	US-09-109-886-2	Sequence 2, Appli
41	31	86.1	756	4	US-09-844-908-9	Sequence 9, Appli
42	31	86.1	756	4	US-09-868-758-4	Sequence 4, Appli
43	31	86.1	996	4	US-09-417-197-123	Sequence 123, App
44	31	86.1	997	4	US-09-417-197-121	Sequence 121, App
45	31	86.1	1709	4	US-09-392-812A-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1  
US-09-134-000C-6643  
; Sequence 6643, Application US/09134000C  
; Patent No. 6617156  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; FILE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 032796-032  
; CURRENT APPLICATION NUMBER: US/09/134,000C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/055,778  
; PRIOR FILING DATE: 1997-08-15  
; NUMBER OF SEQ ID NOS: 6812  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6643  
; LENGTH: 101  
; TYPE: PRT  
; ORGANISM: Enterococcus faecalis  
US-09-134-000C-6643

Query Match 100.0%; Score 36; DB 4; Length 101;  
Best Local Similarity 100.0%; Pred. No. 16;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSLW 6  
DB 83 LDYSLW 88

RESULT 2  
US-08-696-770-2  
; Sequence 2, Application US/08696770  
; Patent No. 5763218  
; GENERAL INFORMATION:  
; APPLICANT: Fujii, Ryo  
; APPLICANT: Hinuma, Shuji  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven  
; APPLICANT: Soppet, Daniel  
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SmithKline Beecham Corporation  
; STREET: 709 Swedeland Road  
; CITY: King of Prussia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19406-2799  
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/696,770
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: TAKS0001-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 404 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; US-09-015-557-2

; Query Match 91.7%; Score 33; DB 1; Length 404;
; Best Local Similarity 83.3%; Pred. No. 2.1e+02;
; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSWL 6
Db 115 LDYTWL 120

RESULT 3
US-09-015-557-2
; Sequence 2, Application US/09015557
; Patent No. 5932702
; GENERAL INFORMATION:
; APPLICANT: Fujii, Ryo
; APPLICANT: Hinuma, Shuji
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven
; APPLICANT: Soppet, Daniel
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-2799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/015,557
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/696,770
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:

; Query Match 91.7%; Score 33; DB 2; Length 404;
; Best Local Similarity 83.3%; Pred. No. 2.1e+02;
; Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSWL 6
Db 115 LDYTWL 120

RESULT 4
US-09-107-532A-4133
; Sequence 4133, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4133:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 217 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:

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; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...217
; SEQUENCE DESCRIPTION: SEQ ID NO: 4133:
US-09-107-532A-4133

Query Match      88.9%; Score 32; DB 4; Length 217;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSW 5
Db 89 LDYSW 93

RESULT 5
US-09-252-991A-24998
; Sequence 24998, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24998
; LENGTH: 228
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24998

Query Match      88.9%; Score 32; DB 4; Length 228;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 DYSWL 6
Db 78 DYSWL 82

RESULT 6
US-08-637-759B-457
; Sequence 457, Application US/08637759B
; Patent No. 5876931
; GENERAL INFORMATION:
; APPLICANT: David William Holden
; TITLE OF INVENTION: Identification of Genes
; NUMBER OF SEQUENCES: 501
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; STREET: 1201 West Peachtree Street
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/637,759B
; FILING DATE: 03-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: PCT/GB95/02875
; FILING DATE: 11-DEC-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: RPMS 101
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 873-8794
; TELEFAX: (404) 873-8795
; INFORMATION FOR SEQ ID NO: 457:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 230 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
US-08-637-759B-457

Query Match      88.9%; Score 32; DB 2; Length 230;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 DYSWL 6
Db 67 DYSWL 71

RESULT 7
US-08-871-355A-457
; Sequence 457, Application US/08871355A
; Patent No. 6015669
; GENERAL INFORMATION:
; APPLICANT: David William Holden
; TITLE OF INVENTION: Identification of Genes
; NUMBER OF SEQUENCES: 501
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; STREET: 1201 West Peachtree Street
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/871,355A
; FILING DATE: 09-JUN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB95/02875
; FILING DATE: 11-DEC-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: RPMS 101 CON
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 873-8794
; TELEFAX: (404) 873-8795
; INFORMATION FOR SEQ ID NO: 457:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 230 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
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US-08-871-355A-457

Query Match 88.9%; Score 32; DB 3; Length 230;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DYSWL 6  
DB 67 DYSWL 71

RESULT 8

US-09-201-945-457  
; Sequence 457, Application US/09201945  
; Patent No. 6342215  
; GENERAL INFORMATION:  
; APPLICANT: David William Holden  
; TITLE OF INVENTION: Identification of Genes  
; NUMBER OF SEQUENCES: 501  
; CORRESPONDENCE ADDRESS: 501  
; ADDRESSEE: Patrea L. Pabst  
; STREET: 2800 One Atlantic Center  
; STREET: 1201 West Peachtree Street  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30309-3450  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/201,945  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/637,759  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pabst, Patrea L.  
; REGISTRATION NUMBER: 31,284  
; REFERENCE/DOCKET NUMBER: RPNs 101  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404) 873-8794  
; TELEFAX: (404) 873-8795  
; INFORMATION FOR SEQ ID NO: 457:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 230 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: NO

US-09-201-945-457

Query Match 88.9%; Score 32; DB 4; Length 230;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DYSWL 6  
DB 67 DYSWL 71

RESULT 9

US-08-591-685-7  
; Sequence 7, Application US/08591685  
; Patent No. 6083733  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: Thermostable xylanases

; NUMBER OF SEQUENCES: 13  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/591,685  
; FILING DATE:  
; CLASSIFICATION: 435  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 351 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-591-685-7

Query Match 88.9%; Score 32; DB 3; Length 351;  
Best Local Similarity 100.0%; Pred. No. 2.7e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DYSWL 6  
DB 317 DYSWL 321

RESULT 10

US-08-591-685-11  
; Sequence 11, Application US/08591685  
; Patent No. 6083733  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: Thermostable xylanases  
; NUMBER OF SEQUENCES: 13  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/591,685  
; FILING DATE:  
; CLASSIFICATION: 435  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 375 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-591-685-11

Query Match 88.9%; Score 32; DB 3; Length 375;  
Best Local Similarity 100.0%; Pred. No. 2.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DYSWL 6  
DB 328 DYSWL 332

RESULT 11

US-08-282-197C-62  
; Sequence 62, Application US/08282197C  
; Patent No. 5871730  
; GENERAL INFORMATION:  
; APPLICANT: Brzezinski, Ryszard  
; APPLICANT: Dery, Claude V  
; APPLICANT: Beaulieu, Carole  
; TITLE OF INVENTION: Thermostable Xylanase DNA, Protein and  
; TITLE OF INVENTION: Methods of Use  
; NUMBER OF SEQUENCES: 67  
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.  
STREET: 1100 New York Ave., NW  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/282,197C  
FILING DATE: 29-JUL-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Cimbala, Michele A  
REGISTRATION NUMBER: 33,851  
REFERENCE/DOCKET NUMBER: 1050.0410000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 62:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 404 amino acids  
TYPE: amino acid  
TOPOLOGY: both  
US-08-282-197C-62

Query Match 88.9%; Score 32; DB 2; Length 404;  
Best Local Similarity 100.0%; Pred. No. 3.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DYSWL 6  
Db 328 DYSWL 332

RESULT 12  
US-08-282-197C-59  
Sequence 59, Application US/08282197C  
Patent No. 5871730  
GENERAL INFORMATION:  
APPLICANT: Brzezinski, Ryszard  
APPLICANT: Dery, Claude V  
APPLICANT: Beaulieu, Carole  
TITLE OF INVENTION: Thermostable Xylanase DNA, Protein and  
METHODS OF USE  
NUMBER OF SEQUENCES: 67  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.  
STREET: 1100 New York Ave., NW  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/282,197C  
FILING DATE: 29-JUL-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Cimbala, Michele A  
REGISTRATION NUMBER: 33,851  
REFERENCE/DOCKET NUMBER: 1050.0410000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 59:

SEQUENCE CHARACTERISTICS:  
LENGTH: 438 amino acids  
TYPE: amino acid  
TOPOLOGY: both  
US-08-282-197C-59

Query Match 88.9%; Score 32; DB 2; Length 438;  
Best Local Similarity 100.0%; Pred. No. 3.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DYSWL 6  
Db 339 DYSWL 343

RESULT 13  
US-09-136-574A-43  
Sequence 43, Application US/09136574A  
Patent No. 6294366  
GENERAL INFORMATION:  
APPLICANT: Farrington, Graham K.  
Anderson, Paige  
Gibbs, Moreland  
Bergquist, Peter  
Daniels, Roy W.  
Morgan, Hugh W.  
Williams, Diane P.  
TITLE OF INVENTION: Compositions and Methods for  
Treating Cellulose Containing Fabrics Using Truncated  
Cellulase Enzyme Compositions  
NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Howson and Howson  
STREET: Spring House Corporate Center, P.O. Box 457  
CITY: Spring House  
STATE: PA  
COUNTRY: USA  
ZIP: 19477  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/136,574A  
FILING DATE: 19-Aug-1998  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/932,571  
FILING DATE: September 19, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Bak, Mary E.  
REGISTRATION NUMBER: 31,215  
REFERENCE/DOCKET NUMBER: 1997US001/CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-540-9200  
TELEFAX: 215-540-5818  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 43:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1426 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6294366e  
SEQUENCE DESCRIPTION: SEQ ID NO: 43:  
US-09-136-574A-43

Query Match 88.9%; Score 32; DB 3; Length 1426;  
Best Local Similarity 100.0%; Pred. No. 1.1e+03;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DYSWL 6  
Db 339 DYSWL 343

Db 339 DYSWL 343

RESULT 14

US-08-887-518-3

; Sequence 3, Application US/08887518

; Patent No. 5843721

; GENERAL INFORMATION:

; APPLICANT: Rothe, Mike

; APPLICANT: Wu, Lin

; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/887,518

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: OSMAN, RICHARD A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: T97-008

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 745 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-08-887-518-3

Query Match 86.1%; Score 31; DB 2; Length 745;

Best Local Similarity 83.3%; Pred. No. 8.6e+02;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6

Db 738 LDWSWL 743

Search completed: September 23, 2004, 21:27:34

Job time : 9.75 secs

Db 339 DYSWL 343

RESULT 15

US-09-023-321-3

; Sequence 3, Application US/09023321

; Patent No. 5844073

; GENERAL INFORMATION:

; APPLICANT: Rothe, Mike

; APPLICANT: Wu, Lin

; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 BUSH STREET, SUITE 3200

; CITY: SAN FRANCISCO

; STATE: CALIFORNIA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/887,518

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: OSMAN, RICHARD A

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: T97-008

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 745 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-08-887-518-3

Query Match 86.1%; Score 31; DB 2; Length 745;

Best Local Similarity 83.3%; Pred. No. 8.6e+02;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6

Db 738 LDWSWL 743

Search completed: September 23, 2004, 21:27:34

Job time : 9.75 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-12  
Perfect score: 36  
Sequence: 1 LDYSWL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09C\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	36	100.0	6	9	US-09-847-940B-12
2	36	100.0	6	10	US-09-847-946A-12
3	36	100.0	6	10	US-09-847-946A-95
4	36	100.0	7	10	US-09-847-946A-99
5	36	100.0	8	10	US-09-847-946A-92
6	36	100.0	8	10	US-09-847-946A-100
7	36	100.0	9	10	US-09-847-946A-91
8	36	100.0	9	10	US-09-847-946A-94
9	36	100.0	9	10	US-09-847-946A-97
10	36	100.0	9	10	US-09-847-946A-98
11	36	100.0	10	10	US-09-847-946A-93
12	36	100.0	10	10	US-09-847-946A-96
13	36	100.0	11	10	US-09-847-946A-90
14	33	91.7	73	15	US-10-074-978A-310
15	33	91.7	139	12	US-10-424-599-261463

16	33	91.7	314	15	US-10-074-978A-66	Sequence 66, Appl
17	33	91.7	320	15	US-10-074-978A-68	Sequence 68, Appl
18	33	91.7	404	14	US-10-225-567A-480	Sequence 480, App
19	33	91.7	404	15	US-10-074-978A-64	Sequence 64, Appl
20	33	91.7	404	15	US-10-074-978A-304	Sequence 304, App
21	33	91.7	448	12	US-10-276-774-2682	Sequence 2682, Ap
22	32	88.9	6	9	US-09-847-940B-11	Sequence 11, Appl
23	32	88.9	6	10	US-09-847-946A-11	Sequence 11, Appl
24	32	88.9	6	10	US-09-847-946A-42	Sequence 42, Appl
25	32	88.9	6	10	US-09-847-946A-84	Sequence 84, Appl
26	32	88.9	7	10	US-09-847-946A-88	Sequence 88, Appl
27	32	88.9	8	10	US-09-847-946A-81	Sequence 81, Appl
28	32	88.9	8	10	US-09-847-946A-89	Sequence 89, Appl
29	32	88.9	9	10	US-09-847-946A-80	Sequence 80, Appl
30	32	88.9	9	10	US-09-847-946A-83	Sequence 83, Appl
31	32	88.9	9	10	US-09-847-946A-86	Sequence 86, Appl
32	32	88.9	9	10	US-09-847-946A-87	Sequence 87, Appl
33	32	88.9	10	10	US-09-847-946A-82	Sequence 82, Appl
34	32	88.9	10	10	US-09-847-946A-85	Sequence 85, Appl
35	32	88.9	11	10	US-09-847-946A-79	Sequence 79, Appl
36	32	88.9	61	16	US-10-437-963-120978	Sequence 120978,
37	32	88.9	69	9	US-09-864-761-36612	Sequence 36612, A
38	32	88.9	71	10	US-09-969-730-172	Sequence 172, App
39	32	88.9	71	16	US-10-621-363-172	Sequence 172, App
40	32	88.9	72	10	US-09-774-639-171	Sequence 171, App
41	32	88.9	168	12	US-10-424-599-270766	Sequence 270766,
42	32	88.9	169	12	US-10-424-599-193422	Sequence 193422,
43	32	88.9	174	16	US-10-767-701-59705	Sequence 59705, A
44	32	88.9	278	14	US-10-220-511-11	Sequence 11, Appl
45	32	88.9	403	12	US-10-424-599-170818	Sequence 170818,

## ALIGNMENTS

RESULT 1  
US-09-847-940B-12  
; Sequence 12, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-12

Query Match 100.0%; Score 36; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
|||||  
Db 1 LDYSWL 6

RESULT 2  
US-09-847-946A-12  
; Sequence 12, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 12  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-12

Query Match 100.0%; Score 36; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSWL 6  
| | | | |  
Db 1 LDYSWL 6

## RESULT 3

US-09-847-946A-95  
; Sequence 95, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 95  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-95

Query Match 100.0%; Score 36; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSWL 6  
| | | | |  
Db 1 LDYSWL 6

## RESULT 4

US-09-847-946A-99  
; Sequence 99, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 99  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-99

Query Match 100.0%; Score 36; DB 10; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSWL 6  
| | | | |  
Db 1 LDYSWL 6

## RESULT 5

US-09-847-946A-92  
; Sequence 92, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 92  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-92

Query Match 100.0%; Score 36; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSWL 6  
| | | | |  
Db 3 LDYSWL 8

## RESULT 6

US-09-847-946A-100  
; Sequence 100, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 100  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-100

Query Match 100.0%; Score 36; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
|||||  
Db 1 LDYSWL 6

RESULT 7  
US-09-847-946A-91  
; Sequence 91, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 91  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-91

Query Match 100.0%; Score 36; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
|||||  
Db 1 LDYSWL 6

RESULT 8  
US-09-847-946A-94  
; Sequence 94, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 94  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-94

Query Match 100.0%; Score 36; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
|||||  
Db 1 LDYSWL 6

RESULT 9  
US-09-847-946A-97  
; Sequence 97, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 97  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-97

Query Match 100.0%; Score 36; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

JS-09-847-946A-93

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:  
:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
:  
FEATURE:



US-09-847-946A-90

Query Match 100.0%; Score 36; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 15;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
| | | | |  
Db 3 LDYSWL 8

## RESULT 14

US-10-074-978A-310  
; Sequence 310, Application US/10074978A  
; Publication No. US20040010119A1

## ; GENERAL INFORMATION:

; APPLICANT: Leite, Mario

; APPLICANT: Spytek, Kimberly A

; APPLICANT: Guo, Xiaojia (Sasha)

; APPLICANT: Fernandes, Elma

; APPLICANT: Li, Li

; APPLICANT: Kekuda, Ramesh

; APPLICANT: Liu, Xiaohong

; APPLICANT: Casman, Stacie

; APPLICANT: Boldog, Ferenc

; APPLICANT: Patturajan, Meera

; APPLICANT: Blalock, Angela

; APPLICANT: Ballinger, Robert

; APPLICANT: Vernet, Corine

; APPLICANT: Tchernev, Velizar T

; APPLICANT: Gusev, Vladimir

; APPLICANT: Rastelli, Luca

; APPLICANT: Mezes, Peter S

; APPLICANT: Ellerman, Karen

; APPLICANT: Heyes, Melvin P

; APPLICANT: Herrman, John

; APPLICANT: Pena, Carol E A

; APPLICANT: Shinkets, Richard A

; APPLICANT: Taupier Jr, Raymond J

; APPLICANT: Moore, No. US20040010119A1lle

; APPLICANT: Shenoy, Suresh

; APPLICANT: Edinger, Shlomit

; APPLICANT: Gunther, Erik

; APPLICANT: Stone, Dave

; APPLICANT: Millet, Isabelle

; APPLICANT: Payman, John

; APPLICANT: Smithson, Glenda

; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME  
; FILE REFERENCE: 21402-269

; CURRENT APPLICATION NUMBER: US/10/074,978A  
; CURRENT FILING DATE: 2003-01-07

; PRIOR APPLICATION NUMBER: 60/268,221

; PRIOR FILING DATE: 2001-02-12

; PRIOR APPLICATION NUMBER: 60/335,109

; PRIOR FILING DATE: 2001-10-31

; PRIOR APPLICATION NUMBER: 60/312,284

; PRIOR FILING DATE: 2001-08-14

; PRIOR APPLICATION NUMBER: 60/268,496

; PRIOR FILING DATE: 2001-02-13

; PRIOR APPLICATION NUMBER: 60/276,703

; PRIOR FILING DATE: 2001-03-16

; PRIOR APPLICATION NUMBER: 60/330,293

; PRIOR FILING DATE: 2001-10-18

; PRIOR APPLICATION NUMBER: 60/322,127

; PRIOR FILING DATE: 2001-11-21

; PRIOR APPLICATION NUMBER: 60/280,899

; PRIOR FILING DATE: 2001-04-02

; PRIOR APPLICATION NUMBER: 60/310,797

; PRIOR FILING DATE: 2001-08-08

; PRIOR APPLICATION NUMBER: 60/268,646

; PRIOR FILING DATE: 2001-02-14

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 547  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 310

; LENGTH: 73

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-074-978A-310

Query Match 91.7%; Score 33; DB 15; Length 73;  
Best Local Similarity 83.3%; Pred. No. 2.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
| | | | |  
Db 46 LDYTWL 51

## RESULT 15

US-10-424-599-261463

; Sequence 261463, Application US/10424599

; Publication No. US20040031072A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa Thomas J

; APPLICANT: Kovalic David K

; APPLICANT: Zhou Yihua

; APPLICANT: Cao Yongwei

; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53223)B

; CURRENT APPLICATION NUMBER: US/10/424,599

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 261463

; LENGTH: 139

; TYPE: PRT

; ORGANISM: Glycine max

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1)..(139)

; OTHER INFORMATION: unsure at all Xaa locations

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_78123C.1.pep

US-10-424-599-261463

Query Match 91.7%; Score 33; DB 12; Length 139;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
| | | | |  
Db 99 LDYTWL 104

Search completed: September 23, 2004, 22:47:10  
Job time : 33.7237 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-13

Perfect score: 33

Sequence: 1 LDWSAL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

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5: /cgn2\_6/ptodata/2/iaa/PCITUS COMB.pdp.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pdp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31	93.9	502	US-09-635-872A-13	Sequence 13, Appl
2	31	93.9	502	US-09-636-077A-13	Sequence 13, Appl
3	31	93.9	502	US-09-636-060C-13	Sequence 13, Appl
4	31	93.9	502	US-09-986-552-13	Sequence 13, Appl
5	30	90.9	118	US-08-311-731A-240	Sequence 240, Appl
6	30	90.9	516	US-09-277-262-2	Sequence 2, Appl
7	30	90.9	735	US-09-252-991A-32240	Sequence 32240, A
8	30	90.9	1891	US-08-804-227C-12	Sequence 12, Appl
9	30	90.9	1891	US-08-804-198-6	Sequence 6, Appl
10	29	87.9	67	US-09-621-976-7214	Sequence 7214, Ap
11	29	87.9	67	US-09-621-976-7215	Sequence 7215, Ap
12	29	87.9	201	US-07-929-580B-5	Sequence 5, Appl
13	29	87.9	223	US-07-708-885B-3	Sequence 3, Appl
14	29	87.9	223	US-07-714-386-3	Sequence 3, Appl
15	29	87.9	223	US-07-708-888A-3	Sequence 3, Appl
16	29	87.9	268	US-09-252-991A-30879	Sequence 30879, A
17	29	87.9	297	US-09-172-952-30	Sequence 30, Appl
18	29	87.9	345	US-08-858-003-34	Sequence 34, Appl
19	29	87.9	345	US-09-078-166-34	Sequence 34, Appl
20	29	87.9	345	US-08-997-467-34	Sequence 34, Appl
21	29	87.9	352	US-09-198-452A-702	Sequence 702, Appl
22	29	87.9	464	US-09-252-991A-29305	Sequence 29305, A
23	29	87.9	480	US-09-252-991A-17687	Sequence 17687, A
24	29	87.9	529	US-09-252-991A-29757	Sequence 29757, A
25	29	87.9	629	US-09-489-039A-9904	Sequence 9904, Ap
26	29	87.9	636	US-09-307-794A-175	Sequence 175, Appl
27	29	87.9	636	US-09-905-125A-175	Sequence 175, Appl

28 29 87.9 636 4 US-09-902-775A-175 Sequence 175, App  
29 29 87.9 703 4 US-09-252-991A-17865 Sequence 17865, A  
30 29 87.9 1580 2 US-08-804-227C-11 Sequence 11, Appl  
31 29 87.9 1580 2 US-08-804-198-5 Sequence 5, Appl  
32 29 87.9 3729 2 US-08-804-227C-4 Sequence 4, Appl  
33 28 84.8 99 4 US-09-621-976-4793 Sequence 4793, Ap  
34 28 84.8 101 4 US-09-621-976-7124 Sequence 7124, Ap  
35 28 84.8 208 1 US-08-631-607-3 Sequence 3, Appl  
36 28 84.8 208 4 US-09-098-358B-3 Sequence 3, Appl  
37 28 84.8 274 4 US-09-540-236-2356 Sequence 2356, Ap  
38 28 84.8 334 4 US-09-489-039A-14184 Sequence 14184, A  
39 28 84.8 536 4 US-09-252-991A-31124 Sequence 31124, A  
40 28 84.8 1151 4 US-09-252-991A-23596 Sequence 23596, A  
41 28 84.8 1843 3 US-09-413-814-50 Sequence 50, Appl  
42 28 84.8 2595 3 US-09-036-987A-2 Sequence 2, Appl  
43 28 84.8 2595 3 US-09-370-700-2 Sequence 2, Appl  
44 28 84.8 2595 4 US-09-603-207-2 Sequence 2, Appl  
45 28 84.8 3248 1 US-08-353-700-1 Sequence 1, Appl

#### ALIGNMENTS

RESULT 1  
US-09-635-872A-13  
; Sequence 13, Application US/09635872A  
; Patent No. 6534300  
; GENERAL INFORMATION:  
; APPLICANT: CANFIELD, WILLIAM  
; TITLE OF INVENTION: METHODS FOR PRODUCING HIGHLY PHOSPHORYLATED LYSOSOMAL HYDROLASES  
; FILE REFERENCE: 195613US0  
; CURRENT APPLICATION NUMBER: US/09/635,872A  
; CURRENT FILING DATE: 2000-08-10  
; PRIOR APPLICATION NUMBER: 60/153,831  
; PRIOR FILING DATE: 1999-09-14  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 13  
; LENGTH: 502  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-09-635-872A-13

Query Match 93.9%; Score 31; DB 4; Length 502;  
Best Local Similarity 83.3%; Pred. No. 5.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6  
Db 372 LDWSAM 377

RESULT 2  
US-09-636-077A-13  
; Sequence 13, Application US/09636077A  
; Patent No. 6537785  
; GENERAL INFORMATION:  
; APPLICANT: CANFIELD, WILLIAM  
; TITLE OF INVENTION: METHODS OF TREATING LYSOSOMAL STORAGE DISEASE  
; FILE REFERENCE: 195612US0  
; CURRENT APPLICATION NUMBER: US/09/636,077A  
; CURRENT FILING DATE: 2000-08-10  
; PRIOR APPLICATION NUMBER: 60/153,831  
; PRIOR FILING DATE: 1999-09-14  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 13  
; LENGTH: 502  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-09-636-077A-13

Query Match 93.9%; Score 31; DB 4; Length 502;

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Best Local Similarity 83.3%; Pred. No. 5.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6
Db 372 LDWSAM 377

RESULT 3
US-09-636-060C-13
; Sequence 13, Application US/09636060C
; Patent No. 6642038
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, WILLIAM M
; TITLE OF INVENTION: GLUCNAC PHOSPHOTRANSFERASE OF THE LYSOSOMAL TARGETING PATHWAY
; FILE REFERENCE: 210119USOCONT
; CURRENT APPLICATION NUMBER: US/09/636,060C
; CURRENT FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: 60/153,831
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-09-636-060C-13

Query Match 93.9%; Score 31; DB 4; Length 502;
Best Local Similarity 83.3%; Pred. No. 5.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6
Db 372 LDWSAM 377

RESULT 4
US-09-986-552-13
; Sequence 13, Application US/09986552
; Patent No. 6670165
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: METHODS FOR PRODUCING HIGHLY PHOSPHORYLATED LYSOSOMAL HYDROLASES
; FILE REFERENCE: 215089US7DIV
; CURRENT APPLICATION NUMBER: US/09/986,552
; CURRENT FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: 09/635,872
; PRIOR FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: 60/153,831
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-09-986-552-13

Query Match 93.9%; Score 31; DB 4; Length 502;
Best Local Similarity 83.3%; Pred. No. 5.7e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6
Db 372 LDWSAM 377

RESULT 5
US-08-311-731A-240
; Sequence 240, Application US/08311731A
; Patent No. 6583266
; GENERAL INFORMATION:

```

```

; APPLICANT: SMITH, DOUGLAS
; APPLICANT: MAO, JEN-I
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
; TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 411
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311.731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 240:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 118 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Mycobacterium leprae
; US-08-311-731A-240

Query Match 90.9%; Score 30; DB 4; Length 118;
Best Local Similarity 83.3%; Pred. No. 1.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6
Db 93 LDWSAV 98

RESULT 6
US-09-277-262-2
; Sequence 2, Application US/09277262
; Patent No. 6395482
; GENERAL INFORMATION:
; APPLICANT: Karayiorougou, Maria
; APPLICANT: Gogos, Joseph A
; TITLE OF INVENTION: METHODS OF DETERMINING A SUSCEPTIBILITY TO OR PRESENCE
; TITLE OF INVENTION: OF SCHIZOPHRENIA, OR A DISEASE OR DISORDER RELATED
; TITLE OF INVENTION: THERETO
; FILE REFERENCE: 600-1-223 CIP
; CURRENT APPLICATION NUMBER: US/09/277,262
; CURRENT FILING DATE: 1999-03-26
; EARLIER APPLICATION NUMBER: 09/229,530
; EARLIER FILING DATE: 1999-01-13
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 516
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-277-262-2

Query Match 90.9%; Score 30; DB 4; Length 516;

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1891 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-804-227C-12

Query Match          90.9%; Score 30; DB 2; Length 1891;
Best Local Similarity 83.3%; Pred. No. 3.4e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSAL 6
Db 231 LDWSSL 236

RESULT 7
US-09-252-991A-32240
; Sequence 32240, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32240
; LENGTH: 735
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32240

Query Match          90.9%; Score 30; DB 4; Length 735;
Best Local Similarity 83.3%; Pred. No. 1.3e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSAL 6
Db 379 VDWSAL 384

RESULT 8
US-08-804-227C-12
; Sequence 12, Application US/08804227C
; Patent No. 5876991
; GENERAL INFORMATION:
; APPLICANT: DeHoff, Bradley S.
; APPLICANT: Kuhstoss, Stuart A.
; APPLICANT: Rosteck, Paul R., Jr.
; APPLICANT: Sutton, Kimberly L.
; TITLE OF INVENTION: POLYKETIDE SYNTHASE GENES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: THOMAS G. PLANT 1501
; STREET: LILLY CORPORATE CENTER
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: USA
; ZIP: 46285
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: ASCII(DOS) Text only
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/804,227C
; FILING DATE: February 21, 1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Plant, Thomas, G.
; REGISTRATION NUMBER: 35,784
; REFERENCE/DOCKET NUMBER: X-8231
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 317-276-2459
; INFORMATION FOR SEQ ID NO: 12:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1891 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-804-227C-12

Query Match          90.9%; Score 30; DB 2; Length 1891;
Best Local Similarity 83.3%; Pred. No. 3.4e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSAL 6
Db 904 LDWAAL 909

RESULT 9
US-08-804-198-6
; Sequence 6, Application US/08804198
; Patent No. 5945320
; GENERAL INFORMATION:
; APPLICANT: Burgett, Stanley G.
; APPLICANT: Kuhstoss, Stuart A.
; APPLICANT: Rao, Nagaraja R.
; APPLICANT: Richardson, Mark A.
; APPLICANT: Rosteck, Paul R., Jr.
; TITLE OF INVENTION: PLATENOLIDE SYNTHASE GENE
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PAUL R. CANTRELL 1138
; STREET: LILLY CORPORATE CENTER
; CITY: INDIANAPOLIS
; STATE: IN
; COUNTRY: USA
; ZIP: 46285
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: Macintosh 7.0
; SOFTWARE: Microsoft Word 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/804,198
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CANTRELL, PAUL R.
; REGISTRATION NUMBER: 36,470
; REFERENCE/DOCKET NUMBER: P9113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 317-276-3885
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1891 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-804-198-6

Query Match          90.9%; Score 30; DB 2; Length 1891;
Best Local Similarity 83.3%; Pred. No. 3.4e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSAL 6
Db 904 LDWAAL 909

RESULT 10
US-09-621-976-7214
; Sequence 7214, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
```

```

; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 7214
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-7214

Query Match      87.9%; Score 29; DB 4; Length 67;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSA 5
Db 43 LDWSA 47

RESULT 11
US-09-621-976-7215
; Sequence 7215, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 7215
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-7215

Query Match      87.9%; Score 29; DB 4; Length 67;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSA 5
Db 43 LDWSA 47

RESULT 12
US-07-929-580B-5
; Sequence 5, Application US/07929580B
; Patent No. 5426181
; GENERAL INFORMATION:
; APPLICANT: Lee, Tae Ho
; APPLICANT: Lee, Gene W.
; APPLICANT: Vilcek, Jan
; TITLE OF INVENTION: Cytokine-Induced Protein, TSG-14,
; TITLE OF INVENTION: DNA Coding Therefor and Uses Thereof
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street, NW
; CITY: Washington
; STATE: DC
; COUNTRY: US
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; APPLICANT: IBM PC compatible
; NAME/KEY: C-reactive protein

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/929,580B
; FILING DATE: 19920814
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/640,492
; FILING DATE: 14-JAN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, Guy Kevin
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: LEE25\VLCEK=2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 201 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-07-929-580B-5

Query Match      87.9%; Score 29; DB 1; Length 201;
Best Local Similarity 83.3%; Pred. No. 4.8e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWSAL 6
Db 180 LDWQAL 185

RESULT 13
US-07-708-885B-3
; Sequence 3, Application US/07708885B
; Patent No. 5245017
; GENERAL INFORMATION:
; APPLICANT: Maswoswe, Sibusisiwe M.
; APPLICANT: Briggman, Joseph V.
; APPLICANT: Toth, Carol A.
; APPLICANT: Thomas, Peter
; TITLE OF INVENTION: Method for Isolating
; TITLE OF INVENTION: CEA-Binding Protein
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 720kb storage
; COMPUTER: IBM XT
; OPERATING SYSTEM: DOS 3.30
; SOFTWARE: Word Perfect 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/708,885B
; FILING DATE: 19910531
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: C-reactive protein
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;/ PUBLICATION INFORMATION:  
;/ AUTHORS: Lei, Ke-Jian  
;/ AUTHORS: Liu, Teresa  
;/ AUTHORS: Zon, Gerald  
;/ AUTHORS: Soravia, Emilia  
;/ AUTHORS: Liu, Teh-Yung  
;/ AUTHORS: Goldman, Neil D.  
;/ TITLE: Genomic Sequence for Human  
;/ TITLE: C-reactive Protein  
;/ JOURNAL: J. of Biological Chemistry  
;/ VOLUME: 260  
;/ ISSUE: 24  
;/ PAGES: 13377-83  
;/ DATE: 25 OCT 1985  
;/ US-07-708-885B-3

Query Match 87.9%; Score 29; DB 1; Length 223;  
Best Local Similarity 83.3%; Pred. No. 5.4e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LDWSAL 6  
Db 202 LDWQAL 207

RESULT 14  
US-07-714-386-3  
; Sequence 3, Application US/07714386  
; Patent No. 5278290  
; GENERAL INFORMATION:  
; APPLICANT: Toth, Carol A.  
; APPLICANT: Maswoswe, Sibusisiwe M.  
; APPLICANT: Briggman, Joseph V.  
; TITLE OF INVENTION: Binding Protein for  
; TITLE OF INVENTION: CEA and Uses Thereof  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lahive & Cockfield  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 720kb storage  
; COMPUTER: IBM XT  
; OPERATING SYSTEM: DOS 3.30  
; SOFTWARE: Word Perfect 5.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/714,386  
; FILING DATE: 19910531  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 223 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; FEATURE:  
; NAME/KEY: C-reactive protein  
; PUBLICATION INFORMATION:  
; AUTHORS: Lei, Ke-jian  
; AUTHORS: Liu, Teresa  
; AUTHORS: Zon, Gerald  
; AUTHORS: Soravia, Emilia  
; AUTHORS: Liu, Teh-Yung  
; AUTHORS: Goldman, Neil D.  
; TITLE: Genomic Sequence for Human  
; TITLE: C-reactive Protein

;/ JOURNAL: J. of Biological Chemistry  
;/ VOLUME: 260  
;/ ISSUE: 24  
;/ PAGES: 13377-83  
;/ DATE: 25 OCT 1985  
;/ US-07-714-386-3

Query Match 87.9%; Score 29; DB 1; Length 223;  
Best Local Similarity 83.3%; Pred. No. 5.4e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LDWSAL 6  
Db 202 LDWQAL 207

RESULT 15  
US-07-708-888A-3  
; Sequence 3, Application US/07708888A  
; Patent No. 5281697  
; GENERAL INFORMATION:  
; APPLICANT: Toth, Carol A.  
; APPLICANT: Maswoswe, Sibusisiwe M.  
; APPLICANT: Briggman, Joseph V.  
; TITLE OF INVENTION: CEA-Binding Protein  
; TITLE OF INVENTION: and Uses Thereof  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lahive & Cockfield  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 720kb  
; MEDIUM TYPE: storage  
; COMPUTER: IBM XT  
; OPERATING SYSTEM: DOS 3.30  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/708,888A  
; FILING DATE: 19910531  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; APPLICATION NUMBER:  
; FILING DATE:  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 223 amino acids  
; TYPE: AMINO ACID  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; FEATURE:  
; NAME/KEY: C-reactive protein  
; PUBLICATION INFORMATION:  
; AUTHORS: Lei, Ke-Jian  
; AUTHORS: Liu, Teresa  
; AUTHORS: Zon, Gerald  
; AUTHORS: Soravia, Emilia  
; AUTHORS: Liu, Teh-Yung  
; AUTHORS: Goldman, Neil D.  
; TITLE: Genomic Sequence for Human  
; TITLE: C-reactive Protein  
; JOURNAL: Journal of Biological  
; JOURNAL: Chemistry  
; VOLUME: 260  
; ISSUE: 24  
; PAGES: 13377-83  
; DATE: 25 OCT 1985  
; US-07-708-888A-3

Query Match 87.9%; Score 29; DB 1; Length 223;  
Best Local Similarity 83.3%; Pred.No. 5.4e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWSAL 6  
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Db 202 LDWOAL 207

Search completed: September 23, 2004, 21:27:35  
Job time : 10.75 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-13  
Perfect score: 33  
Sequence: 1 LDWSAL 6

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Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321559718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2\_6/ptodata/2/pubaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubaa/US06\_NEW\_PUB.pep.\*  
5: /cgn2\_6/ptodata/2/pubaa/US06\_PUBCOMB.pep.\*  
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8: /cgn2\_6/ptodata/2/pubaa/US08\_NEW\_PUB.pep.\*  
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13: /cgn2\_6/ptodata/2/pubaa/US09D\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/2/pubaa/US10A\_PUBCOMB.pep.\*  
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16: /cgn2\_6/ptodata/2/pubaa/US10C\_PUBCOMB.pep.\*  
17: /cgn2\_6/ptodata/2/pubaa/US10\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubaa/US60\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	100.0	6	9	US-09-847-940B-13
2	33	100.0	6	10	US-09-847-946A-13
3	33	100.0	451	12	US-10-282-122A-48001
4	33	100.0	1892	16	US-10-229-148B-6
5	31	93.9	53	14	US-10-148-786A-25
6	31	93.9	77	14	US-10-148-786A-8
7	31	93.9	333	15	US-10-369-493-2852
8	31	93.9	334	12	US-10-217-155A-18
9	31	93.9	334	15	US-10-217-574-18
10	31	93.9	334	15	US-10-217-555-18
11	31	93.9	502	9	US-09-895-072-13
12	31	93.9	502	9	US-09-986-552-13
13	31	93.9	502	14	US-10-023-888-16
14	31	93.9	502	14	US-10-023-889-16
15	31	93.9	502	14	US-10-023-890-16

16	31	93.9	502	14	US-10-024-197-16
17	31	93.9	502	14	US-10-023-894-16
18	31	93.9	502	14	US-10-306-686-13
19	31	93.9	652	15	US-10-120-801-91
20	31	93.9	984	13	US-10-029-905-10
21	31	93.9	984	14	US-10-354-358-106
22	31	93.9	1394	15	US-10-369-493-22353
23	30	90.9	138	14	US-10-029-386-34138
24	30	90.9	191	12	US-10-424-599-158546
25	30	90.9	208	15	US-10-369-493-23401
26	30	90.9	368	12	US-10-282-122A-49942
27	30	90.9	403	14	US-10-156-761-14428
28	30	90.9	476	15	US-10-310-154-397
29	30	90.9	516	13	US-10-119-635-2
30	30	90.9	831	16	US-10-437-963-194578
31	30	90.9	1293	15	US-10-084-846A-50
32	30	90.9	1456	16	US-10-437-963-194566
33	30	90.9	2747	15	US-10-402-842-2
34	30	90.9	13725	15	US-10-084-846A-4
35	29	87.9	90	16	US-10-437-963-143232
36	29	87.9	129	16	US-10-437-963-108791
37	29	87.9	175	15	US-10-320-797-3024
38	29	87.9	178	16	US-10-437-963-107410
39	29	87.9	195	12	US-10-425-114-70395
40	29	87.9	203	12	US-10-425-114-53792
41	29	87.9	203	14	US-10-262-473-4
42	29	87.9	203	16	US-10-767-701-38486
43	29	87.9	223	14	US-10-262-473-2
44	29	87.9	223	16	US-10-408-765A-99
45	29	87.9	226	12	US-10-424-599-195787

## ALIGNMENTS

RESULT 1  
US-09-847-940B-13  
; Sequence 13, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PRI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 13  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-13

Query Match 100.0%; Score 33; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSAL 6  
|||||  
Db 1 LDWSAL 6

RESULT 2  
US-09-847-946A-13  
; Sequence 13, Application US/09847946A  
; Publication No. US2003005499A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PFI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-13

Query Match 100.0%; Score 33; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6
Db 1 LDWSAL 6

RESULT 3
US-10-282-122A-48001
; Sequence 48001, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.

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; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48001
; LENGTH: 451
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
US-10-282-122A-48001

Query Match 100.0%; Score 33; DB 12; Length 451;
Best Local Similarity 100.0%; Pred. No. 9.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6
Db 78 LDWSAL 83

RESULT 4
US-10-229-148B-6
; Sequence 6, Application US/10229148B
; Publication No. US20040091975A1
; GENERAL INFORMATION:
; APPLICANT: Meiji Seika Kaisha, Ltd.
; TITLE OF INVENTION: Midecamycin biosynthetic genes
; FILE REFERENCE: 138451 US
; CURRENT APPLICATION NUMBER: US/10/229,148B
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 210516/2002
; PRIOR FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 1892
; TYPE: PRT
; ORGANISM: Streptomyces mycarofaciens
US-10-229-148B-6

Query Match 100.0%; Score 33; DB 16; Length 1892;
Best Local Similarity 100.0%; Pred. No. 3.3e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6
Db 900 LDWSAL 905

RESULT 5
US-10-148-786A-25
; Sequence 25, Application US/10148786A
; Publication No. US20030143656A1
; GENERAL INFORMATION:
; APPLICANT: Alessi, Dario
; APPLICANT: Biondi, Riccardo
; TITLE OF INVENTION: Protein Kinase Regulation
; FILE REFERENCE: 002.00210
; CURRENT APPLICATION NUMBER: US/10/148,786A
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Polypeptide
US-10-148-786A-25

Query Match 93.9%; Score 31; DB 14; Length 53;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6
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Db      12 IDWSAL 17

RESULT 6
US-10-148-786A-8
; Sequence 8, Application US/10148786A
; Publication No. US20030143656A1
; GENERAL INFORMATION:
; APPLICANT: Alessi, Dario
; APPLICANT: Biondi, Riccardo
; TITLE OF INVENTION: Protein Kinase Regulation
; FILE REFERENCE: 002.00210
; CURRENT APPLICATION NUMBER: US/10/148,786A
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Polypeptide
US-10-148-786A-8

Query Match      93.9%; Score 31; DB 14; Length 77;
Best Local Similarity 83.3%; Pred. No. 4.2e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSAL 6
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Db      12 IDWSAL 17

RESULT 7
US-10-369-493-2852
; Sequence 2852, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 2852
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Synecocystis sp.
US-10-369-493-2852

Query Match      93.9%; Score 31; DB 15; Length 333;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSAL 6
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Db      146 MDWSAL 151

RESULT 8
US-10-217-155A-18
; Sequence 18, Application US/10217155A
; Publication No. US2003006585A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing

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; APPLICANT: Hemmings, Brian A
; APPLICANT: Cron, Peter D
; TITLE OF INVENTION: Kinase Crystal Structures and Materials and Methods for
; FILE REFERENCE: 44236
; CURRENT APPLICATION NUMBER: US/10/217,155A
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: GB 0119860.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 334
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
US-10-217-155A-18

```

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Query Match      93.9%; Score 31; DB 12; Length 334;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSAL 6
       :|||||
Db      269 IDWSAL 274

```

```

RESULT 9
US-10-217-574-18
; Sequence 18, Application US/10217574
; Publication No. US20040005687A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing
; APPLICANT: Hemmings, Brian A
; APPLICANT: Cron, Peter D
; TITLE OF INVENTION: Kinase Crystal Structures
; FILE REFERENCE: 44237
; CURRENT APPLICATION NUMBER: US/10/217,574
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: GB 0119860.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: GB 0216215.4
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 334
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
US-10-217-574-18

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```

Query Match      93.9%; Score 31; DB 15; Length 334;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSAL 6
       :|||||
Db      269 IDWSAL 274

```

```

RESULT 10
US-10-217-555-18
; Sequence 18, Application US/10217555

```

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; Publication No. US20040009569A1
; GENERAL INFORMATION:
; APPLICANT: Barford, David
; APPLICANT: Yang, Jing
; APPLICANT: Hemmings, Brian A
; APPLICANT: Cron, Peter D
; TITLE OF INVENTION: Kinase Crystal Structures and Materials and Methods for
; TITLE OF INVENTION: Kinase Activation
; FILE REFERENCE: 44236
; CURRENT APPLICATION NUMBER: US/10/217,555
; CURRENT FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: GB 0119860.5
; PRIOR FILING DATE: 2001-08-14
; PRIOR APPLICATION NUMBER: GB 0209985.1
; PRIOR FILING DATE: 2002-05-01
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 334
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence source
; OTHER INFORMATION: uncertain
US-10-217-555-18

Query Match          93.9%; Score 31; DB 15; Length 334;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSAL 6
       :|||||
Db      269 IDWSAL 274

RESULT 11
US-09-895-072-13
; Sequence 13, Application US/09895072
; Patent No. US20020025550A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, WILLIAM M
; TITLE OF INVENTION: METHODS FOR PRODUCING HIGHLY PHOSPHORYLATED LYSOSOMAL HYDROLASES
; FILE REFERENCE: 210119US00CONT
; CURRENT APPLICATION NUMBER: US/09/895,072
; CURRENT FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: 60/153,831
; PRIOR FILING DATE: 1999-09-14
; PRIOR APPLICATION NUMBER: US 09/635,872
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-895-072-13

Query Match          93.9%; Score 31; DB 9; Length 502;
Best Local Similarity 83.3%; Pred. No. 2.2e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSAL 6
       :|||||
Db      372 LDWSAM 377

RESULT 12
US-09-986-552-13
; Sequence 13, Application US/0986552
; Patent No. US20020150981A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: METHODS FOR PRODUCING HIGHLY PHOSPHORYLATED LYSOSOMAL HYDROLASES
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; FILE REFERENCE: 215089US77DIV
; CURRENT APPLICATION NUMBER: US/09/986,552
; CURRENT FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: 09/635,872
; PRIOR FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: 60/153,831
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-986-552-13
```

```
Query Match          93.9%; Score 31; DB 9; Length 502;
Best Local Similarity 83.3%; Pred. No. 2.2e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDWSAL 6
       :|||||
Db      372 LDWSAM 377
```

```
RESULT 13
US-10-023-888-16
; Sequence 16, Application US/10023888
; Publication No. US20030119088A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: SOLUBLE GLCNAC PHOSPHOTRANSFERASE
; FILE REFERENCE: 203515US77
; CURRENT APPLICATION NUMBER: US/10/023,888
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-023-888-16
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```
Query Match          93.9%; Score 31; DB 14; Length 502;
Best Local Similarity 83.3%; Pred. No. 2.2e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 LDWSAL 6
       :|||||
Db      372 LDWSAM 377
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RESULT 14
US-10-023-889-16
; Sequence 16, Application US/10023889
; Publication No. US20030124652A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: METHODS OF PRODUCING HIGH MANNOSE GLYCOPROTEINS IN COMPLEX CARBOH
; TITLE OF INVENTION: DEFICIENT CELLS
; FILE REFERENCE: 203512US77
; CURRENT APPLICATION NUMBER: US/10/023,889
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-023-889-16
```

```
Query Match          93.9%; Score 31; DB 14; Length 502;
Best Local Similarity 83.3%; Pred. No. 2.2e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY 1 LDWSAL 6  
| | | | |  
Db 372 LDWSAM 377

## RESULT 15

US-10-023-890-16  
; Sequence 16, Application US/10023890  
; Publication No. US20030124653A1  
; GENERAL INFORMATION:  
; APPLICANT: CANFIELD, William  
; TITLE OF INVENTION: METHOD OF PRODUCING GLYCOPROTEINS HAVING REDUCED COMPLEX CARBOHYDRATE  
; FILE OF INVENTION: MAMMALIAN CELLS  
; FILE REFERENCE: 203510US77  
; CURRENT APPLICATION NUMBER: US/10/023,890  
; CURRENT FILING DATE: 2001-12-21  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 16  
; LENGTH: 502  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-10-023-890-16

Query Match 93.9%; Score 31; DB 14; Length 502;  
Best Local Similarity 83.3%; Pred. No. 2.2e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSAL 6  
| | | | |  
Db 372 LDWSAM 377

Search completed: September 23, 2004, 22:47:11  
Job time : 33.7237 secs

**This Page Blank (wsp19)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-14

Perfect score: 35

Sequence: 1 LDWSFL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.\*  
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2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pap.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	32	91.4	829	4	US-09-252-991A-27150
2	31	88.6	86	4	US-09-107-532A-7054
3	31	88.6	150	4	US-09-936-552A-3
4	31	88.6	277	1	US-08-118-270-68
5	31	88.6	277	5	PCT-US93-08528-68
6	31	88.6	382	2	US-08-360-606B-30
7	30	85.7	95	4	US-09-489-039A-12886
8	30	85.7	98	4	US-08-711-164-432
9	30	85.7	177	4	US-09-328-352-5063
10	30	85.7	365	4	US-09-328-352-7147
11	30	85.7	397	4	US-09-107-532A-4918
12	30	85.7	413	4	US-09-328-352-7815
13	30	85.7	745	2	US-08-887-518-3
14	30	85.7	745	2	US-09-023-321-3
15	30	85.7	745	2	US-08-890-853-4
16	30	85.7	745	2	US-09-032-475-3
17	30	85.7	745	2	US-09-099-125A-4
18	30	85.7	745	2	US-09-099-124A-4
19	30	85.7	745	2	US-09-032-476-4
20	30	85.7	745	3	US-08-890-854-4
21	30	85.7	745	3	US-09-023-324-4
22	30	85.7	745	3	US-09-168-629-2
23	30	85.7	745	3	US-08-910-820-10
24	30	85.7	745	3	US-08-810-131A-2
25	30	85.7	745	4	US-09-109-986-4
26	30	85.7	745	4	US-09-844-908-10
27	30	85.7	745	4	US-09-868-758-3

28	30	85.7	756	2	US-08-887-518-4
29	30	85.7	756	2	US-09-023-321-4
30	30	85.7	756	2	US-08-890-853-2
31	30	85.7	756	2	US-09-032-475-4
32	30	85.7	756	2	US-09-099-125A-2
33	30	85.7	756	2	US-09-099-124A-2
34	30	85.7	756	3	US-09-032-476-2
35	30	85.7	756	3	US-08-890-854-2
36	30	85.7	756	3	US-09-023-324-2
37	30	85.7	756	3	US-09-168-629-15
38	30	85.7	756	3	US-08-910-820-9
39	30	85.7	756	4	US-09-109-986-2
40	30	85.7	756	4	US-09-844-908-9
41	30	85.7	756	4	US-09-868-758-4
42	30	85.7	768	2	US-08-222-617A-5
43	30	85.7	996	4	US-09-417-197-123
44	30	85.7	997	4	US-09-417-197-121
45	30	85.7	3666	2	US-08-222-617A-12

#### ALIGNMENTS

RESULT 1  
US-09-252-991A-27150  
; Sequence 27150, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252.991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 27150  
; LENGTH: 829  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-27150

Query Match 91.4%; Score 32; DB 4; Length 829;  
Best Local Similarity 83.3%; Pred. No. 7.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6  
Db 486 LDWSYL 491

#### RESULT 2

US-09-107-532A-7054  
; Sequence 7054, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 7310  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354

COMPUTER READABLE FORM:  
MEDIUM TYPE: CD/ROM ISO9660  
COMPUTER: PC

OPERATING SYSTEM: <Unknown>  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/107,532A  
FILING DATE: 30-Jun-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/085,598  
FILING DATE: 14 May 1998  
APPLICATION NUMBER: 60/051571  
FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ariniello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277  
INFORMATION FOR SEQ ID NO: 7054:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 86 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ORIGINAL SOURCE:  
ORGANISM: Enterococcus faecium  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (B) LOCATION 1...86  
SEQUENCE DESCRIPTION: SEQ ID NO: 7054:  
US-09-107-532A-7054

Query Match 88.6%; Score 31; DB 4; Length 86;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSF 5  
|||||  
Db 42 LDWSF 46

RESULT 3  
US-09-936-552A-3  
Sequence 3, Application US/09936552A  
Patent No. 6610907  
GENERAL INFORMATION:  
APPLICANT: INSTITUTE OF GENETICS, CHINESE ACADEMY OF SCIENCES  
APPLICANT: Zhu, Zhen  
APPLICANT: Xie, Yingqiu  
APPLICANT: Liu, Yule  
TITLE OF INVENTION: COTTON LEAF CURL VIRUS (CLCVU) PROMOTER AND ITS USE  
FILE REFERENCE: 2896-4001  
CURRENT APPLICATION NUMBER: US/09/936,552A  
CURRENT FILING DATE: 2001-09-14  
PRIOR APPLICATION NUMBER: CN 99103044.3  
PRIOR FILING DATE: 1999-03-22  
NUMBER OF SEQ ID NOS: 11  
SOFTWARE: Patentin version 3.1  
SEQ ID NO 3  
LENGTH: 150  
TYPE: PRT  
ORGANISM: cotton leaf curl virus  
US-09-936-552A-3

Query Match 88.6%; Score 31; DB 4; Length 150;  
Best Local Similarity 100.0%; Pred. No. 2e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSFL 6  
|||||  
Db 127 DWSFL 131

RESULT 4  
US-08-118-270-68  
Sequence 68, Application US/08118270  
Patent No. 5508364  
GENERAL INFORMATION:  
APPLICANT: Murphy, Randall B.  
APPLICANT: Schuster, David I.  
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN  
TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF  
NUMBER OF SEQUENCES: 348  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/118,270  
FILING DATE: 09-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/943,236  
FILING DATE: 10-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Townsend, Kevin G.  
REGISTRATION NUMBER: 34,033  
REFERENCE/DOCKET NUMBER: MURPHY=2A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
TELEX: 248633  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 277 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-118-270-68

Query Match 88.6%; Score 31; DB 1; Length 277;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSFL 6  
|||||  
Db 81 DWSFL 85

RESULT 5  
PCT-US93-08528-68  
Sequence 68, Application PC/TUS9308528  
GENERAL INFORMATION:  
APPLICANT: New York University  
TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN  
TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF  
NUMBER OF SEQUENCES: 348  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS



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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08528
; FILING DATE: 09-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,236
; FILING DATE: 10-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, Kevin G.
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: MURPHY=2 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 277 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; MOLECULE TYPE: linear
; PCT-US93-08528-68

Query Match      88.6%; Score 31; DB 5; Length 277;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 DWSFL 6
Db      81 DWSFL 85

RESULT 6
US-08-360-606B-30
; Sequence 30, Application US/08360606B
; Patent No. 5919617
; GENERAL INFORMATION:
; APPLICANT: Unanendra K. Bhattacharjee
; APPLICANT: Richard C. Garrad
; APPLICANT: Paul L. Skatrud
; APPLICANT: Robert P. Peery
; TITLE OF INVENTION: Methods and Reagents for
; TITLE OF INVENTION: Detecting Fungal Pathogens in a
; TITLE OF INVENTION: Biological Sample
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
; STREET: 300 S. Wacker Drive Suite 3200
; CITY: Chicago
; STATE: Illinois
; COUNTRY: U.S.A.
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: MS Word 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/360,606B
; FILING DATE: December 21, 1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Berghoff, Paul H.
; REGISTRATION NUMBER: 30,243
; REFERENCE/DOCKET NUMBER: 94,319
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312)913-0001
; TELEFAX: (312)913-0002
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 382 amino acid residues
; TYPE: amino acid
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
; DESCRIPTION: Yes
; HYPOTHETICAL: Yes
; ORIGINAL SOURCE:
; ORGANISM: Candida albicans
; US-08-360-606B-30

Query Match      88.6%; Score 31; DB 2; Length 382;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSF 5
Db      151 LDWSF 155

RESULT 7
US-09-489-039A-12886
; Sequence 12886, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709,2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12886
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-12886

Query Match      85.7%; Score 30; DB 4; Length 95;
Best Local Similarity 66.7%; Pred. No. 1.9e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSFL 6
Db      47 LDWNFI 52

RESULT 8
US-09-711-164-432
; Sequence 432, Application US/097111164
; Patent No. 6589738
; GENERAL INFORMATION:
; APPLICANT: Forsyth, R. Allyn
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERAPY
; FILE REFERENCE: ELITRA.008A
; CURRENT APPLICATION NUMBER: US/09/711,164
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: US 60/164415
; PRIOR FILING DATE: 1999-11-9
; NUMBER OF SEQ ID NOS: 469
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 432
; LENGTH: 98
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-09-711-164-432

Query Match      85.7%; Score 30; DB 4; Length 98;
Best Local Similarity 66.7%; Pred. No. 1.9e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSFL 6
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Query Match      85.7%; Score 30; DB 4; Length 413;
Best Local Similarity 66.7%; Pred. No. 8.1e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSFL 6
        :|||:|
Db      183 IDWTEL 188

RESULT 13

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US-08-887-518-3
; Sequence 3, Application US/08887518
; Patent No. 5843721
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,518
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-887-518-3

Query Match 85.7%; Score 30; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6
Db 738 LDWSWL 743

RESULT 14
US-09-023-321-3
; Sequence 3, Application US/09023321
; Patent No. 5844073
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,321
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-890-853-4

Query Match 85.7%; Score 30; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6
Db 738 LDWSWL 743

RESULT 15
US-08-890-853-4
; Sequence 4, Application US/08890853
; Patent No. 5851812
; GENERAL INFORMATION:
; APPLICANT: Goedel, David V.
; APPLICANT: Woronicz, John
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-890-853-4

Query Match 85.7%; Score 30; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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US-09-023-321-3
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,518
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-023-321-3

Query Match 85.7%; Score 30; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6
Db 738 LDWSWL 743

RESULT 15
US-08-890-853-4
; Sequence 4, Application US/08890853
; Patent No. 5851812
; GENERAL INFORMATION:
; APPLICANT: Goedel, David V.
; APPLICANT: Woronicz, John
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-890-853-4

Query Match 85.7%; Score 30; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Oy 1 LDWSFL 6  
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Db 738 LDWSWL 743

Search completed: September 23, 2004, 21:27:36  
Job time : 10.75 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-14

Perfect score: 35

Sequence: 1 LDWSFL 6

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Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published Applications AA:\*

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- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
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- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	35	100.0	6	9	US-09-847-940B-14
2	35	100.0	6	10	US-09-847-946A-14
3	33	94.3	218	10	US-09-863-776-50
4	33	94.3	218	11	US-09-981-151A-91
5	33	94.3	218	12	US-10-072-012-859
6	33	94.3	218	14	US-10-032-189-107
7	33	94.3	827	15	US-10-347-470A-26
8	32	91.4	6	9	US-09-847-940B-15
9	32	91.4	6	10	US-09-847-946A-15
10	32	91.4	46	12	US-10-424-599-164997
11	32	91.4	56	9	US-09-764-877-1782
12	32	91.4	56	15	US-10-242-515-1782
13	32	91.4	134	15	US-10-424-599-179686
14	32	91.4	650	16	US-10-437-963-181936
15	32	91.4	743	15	US-10-104-047-2340

16	32	91.4	867	16	US-10-437-963-118913	Sequence 118913,
17	31	88.6	60	12	US-10-424-599-217549	Sequence 217549,
18	31	88.6	74	16	US-10-437-963-146047	Sequence 146047,
19	31	88.6	81	12	US-10-424-599-255178	Sequence 255178,
20	31	88.6	124	9	US-09-925-302-460	Sequence 460, App
21	31	88.6	124	12	US-09-925-302-460	Sequence 460, App
22	31	88.6	147	12	US-10-425-114-72069	Sequence 72069, A
23	31	88.6	147	12	US-10-425-114-72070	Sequence 72070, A
24	31	88.6	149	16	US-10-408-765A-2025	Sequence 2025, Ap
25	31	88.6	157	9	US-09-738-626-4783	Sequence 4783, Ap
26	31	88.6	184	14	US-10-078-770-86	Sequence 86, Appl
27	31	88.6	212	16	US-10-437-963-168071	Sequence 168071,
28	31	88.6	232	12	US-10-287-971-78	Sequence 78, Appl
29	31	88.6	238	14	US-10-078-770-96	Sequence 96, Appl
30	31	88.6	243	16	US-10-437-963-169620	Sequence 169620,
31	31	88.6	262	16	US-10-437-963-191633	Sequence 191633,
32	31	88.6	264	14	US-10-097-111-300	Sequence 300, App
33	31	88.6	273	12	US-10-425-114-53924	Sequence 53924, A
34	31	88.6	282	12	US-10-425-114-48772	Sequence 48772, A
35	31	88.6	297	16	US-10-437-963-106442	Sequence 106442,
36	31	88.6	305	14	US-10-078-770-90	Sequence 90, Appl
37	31	88.6	317	12	US-10-287-971-82	Sequence 82, Appl
38	31	88.6	317	14	US-10-032-189-32	Sequence 32, Appl
39	31	88.6	326	12	US-10-424-599-269951	Sequence 269951,
40	31	88.6	358	15	US-10-438-537-4	Sequence 4, Appli
41	31	88.6	358	15	US-10-295-027-1228	Sequence 1228, Ap
42	31	88.6	413	14	US-10-032-189-106	Sequence 106, App
43	31	88.6	416	14	US-10-032-189-105	Sequence 105, App
44	31	88.6	417	14	US-10-032-189-104	Sequence 104, App
45	31	88.6	433	10	US-09-863-776-48	Sequence 48, Appl

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-14  
; Sequence 14, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PRI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 14  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-14

Query Match 100.0%; Score 35; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6  
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Db 1 LDWSFL 6

RESULT 2  
US-09-847-946A-14  
; Sequence 14, Application US/09847946A  
; Publication No. US2003005499A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 14  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-14

Query Match 100.0%; Score 35; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6  
:|||||  
Db 1 LDWSFL 6

RESULT 3  
US-09-863-776-50  
; Sequence 50, Application US/09863776  
; Publication No. US20030198953A1  
; GENERAL INFORMATION:  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Majumder, Kumud  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Mishra, Vishnu  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Spaderna, Steven K  
; APPLICANT: Shenoy, Suresh G  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Li, Li  
; APPLICANT: Taupier, Raymond J  
; APPLICANT: Gangolli, Esha  
; TITLE OF INVENTION: No. US20030198953A1el Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-020  
; CURRENT APPLICATION NUMBER: US/09/863,776  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: 09/540,763  
; PRIOR FILING DATE: 2000-03-30  
; PRIOR APPLICATION NUMBER: 60/206,679  
; PRIOR FILING DATE: 2000-05-24  
; PRIOR APPLICATION NUMBER: 60/206,688  
; PRIOR FILING DATE: 2000-05-24  
; PRIOR APPLICATION NUMBER: 60/206,829  
; PRIOR FILING DATE: 2000-05-24  
; PRIOR APPLICATION NUMBER: 60/207,748  
; PRIOR FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: 60/207,798  
; PRIOR FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: 60/208,263  
; PRIOR FILING DATE: 2000-05-31  
; PRIOR APPLICATION NUMBER: 60/208,831  
; PRIOR FILING DATE: 2000-06-02  
; PRIOR APPLICATION NUMBER: 60/209,451  
; PRIOR FILING DATE: 2000-06-05  
; PRIOR APPLICATION NUMBER: 60/210,060  
; PRIOR FILING DATE: 2000-06-07  
; PRIOR APPLICATION NUMBER: 60/219,507  
; PRIOR FILING DATE: 2000-07-20

; PRIOR APPLICATION NUMBER: 60/221,337  
; PRIOR FILING DATE: 2000-07-26  
; PRIOR APPLICATION NUMBER: 60/221,927  
; PRIOR FILING DATE: 2000-07-31  
; PRIOR APPLICATION NUMBER: 60/263,135  
; PRIOR FILING DATE: 2001-01-19  
; PRIOR APPLICATION NUMBER: 60/263,688  
; PRIOR FILING DATE: 2001-01-24  
; PRIOR APPLICATION NUMBER: 60/263,694  
; PRIOR FILING DATE: 2001-01-24  
; NUMBER OF SEQ ID NOS: 155  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 50  
; LENGTH: 218  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Connexin  
; OTHER INFORMATION: Consensus Sequence  
US-09-863-776-50

Query Match 94.3%; Score 33; DB 10; Length 218;  
Best Local Similarity 83.3%; Pred. No. 6.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6  
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Db 1 MDWSFL 6

RESULT 4  
US-09-981-151A-91  
; Sequence 91, Application US/09981151A  
; Publication No. US20030212256A1  
; GENERAL INFORMATION:  
; APPLICANT: Edinger, Shlomit R  
; APPLICANT: Gerlach, Valerie  
; APPLICANT: MacDougall, John R  
; APPLICANT: Malyankar, Muriel M  
; APPLICANT: Smithson, Glennnda  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Feyman, John A  
; APPLICANT: Stone, David J  
; APPLICANT: Gunther, Erik  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Shimmets, Richard A  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Guo, Xiaojia  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Taupier Jr, Raymond J  
; APPLICANT: Burgess, Catherine E  
; APPLICANT: Zerhusen, Bryan D  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Gangolli, Esha A  
; APPLICANT: Fernandes, Elma R  
; APPLICANT: Gorman, Linda  
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-168  
; CURRENT APPLICATION NUMBER: US/09/981,151A  
; CURRENT FILING DATE: 2001-10-16  
; PRIOR APPLICATION NUMBER: 60/241,040  
; PRIOR FILING DATE: 2000-10-17  
; PRIOR APPLICATION NUMBER: 60/241,058  
; PRIOR FILING DATE: 2000-10-17  
; PRIOR APPLICATION NUMBER: 60/241,063  
; PRIOR FILING DATE: 2000-10-17  
; PRIOR APPLICATION NUMBER: 60/241,243  
; PRIOR FILING DATE: 2000-10-17  
; PRIOR APPLICATION NUMBER: 60/242,152  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/242,482  
; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/242,611  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/242,612  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/242,880  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: 60/242,881  
; PRIOR FILING DATE: 2000-10-24  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 91  
; LENGTH: 218  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Connexin  
; OTHER INFORMATION: Consensus Sequence  
US-09-981-151A-91

Query Match 94.3%; Score 33; DB 11; Length 218;  
Best Local Similarity 83.3%; Pred. No. 6.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6  
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Db 1 MDWSFL 6

RESULT 5  
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; Publication No. US20040033493A1  
; GENERAL INFORMATION:  
; APPLICANT: Tchernev, Velizar  
; APPLICANT: Spytek, Kimberly  
; APPLICANT: Zernhusen, Bryan  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Shimkets, Richard  
; APPLICANT: Li, Li  
; APPLICANT: Gangolli, Esha  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Anderson, David W.  
; APPLICANT: Rastelli, Luca  
; APPLICANT: Miller, Charles E.  
; APPLICANT: Gerlach, Valerie  
; APPLICANT: Taupier Jr, Raymond J.  
; APPLICANT: Gusev, Vladimir Y.  
; APPLICANT: Colman, Steven D.  
; APPLICANT: Wolenc, Adam R.  
; APPLICANT: Pena, Carol E. A  
; APPLICANT: Furtak, Katarzyna  
; APPLICANT: Grosse, William M.  
; APPLICANT: Alsobrook II, John P.  
; APPLICANT: Lepley, Denise M.  
; APPLICANT: Rieger, Daniel K.  
; APPLICANT: Burgess, Catherine E.  
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-258  
; CURRENT APPLICATION NUMBER: US/10/072.012  
; CURRENT FILING DATE: 2002-01-31  
; PRIOR APPLICATION NUMBER: 60/265,102  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: 60/265,514  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,517  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,412  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/265,395  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: 60/266,406  
; PRIOR FILING DATE: 2001-02-02

; PRIOR APPLICATION NUMBER: 60/266,767  
; PRIOR FILING DATE: 2001-02-05  
; PRIOR APPLICATION NUMBER: 60/267,057  
; PRIOR FILING DATE: 2001-02-07  
; PRIOR APPLICATION NUMBER: 60/266,975  
; PRIOR FILING DATE: 2001-02-07  
; PRIOR APPLICATION NUMBER: 60/267,459  
; PRIOR FILING DATE: 2001-02-08  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 1391  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 859  
; LENGTH: 218  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Connexin  
; OTHER INFORMATION: Consensus Sequence  
US-10-072-012-859

Query Match 94.3%; Score 33; DB 12; Length 218;  
Best Local Similarity 83.3%; Pred. No. 6.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSFL 6  
:|||||  
Db 1 MDWSFL 6

RESULT 6  
US-10-032-189-107  
; Sequence 107, Application US/10032189  
; Publication No. US20030170630A1  
; GENERAL INFORMATION:  
; APPLICANT: Alsobrook II, John P  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Liu, Xiaohong  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Zernhusen, Bryan D  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Grosse, William M  
; APPLICANT: Lepley, Denise M  
; APPLICANT: Burgess, Catherine E  
; APPLICANT: Shimkets, Richard A  
; APPLICANT: Grosse, William M  
; APPLICANT: Szekeres, Edward S  
; APPLICANT: Vernet, Corine A.M.  
; APPLICANT: Li, Li  
; APPLICANT: Casman, Stacie J  
; APPLICANT: Boldog, Ferenc L  
; APPLICANT: Gorman, Linda  
; APPLICANT: Gangolli, Esha A  
; APPLICANT: Fernandes, Elma R  
; APPLICANT: Rieger, Daniel K  
; APPLICANT: Edinger, Shlomit R  
; APPLICANT: Gunther, Erik  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Sciore, Paul  
; APPLICANT: Ellerman, Karen  
; APPLICANT: MacDougall, John R  
; APPLICANT: Smithson, Glennda  
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-228  
; CURRENT APPLICATION NUMBER: US/10/032.189  
; CURRENT FILING DATE: 2001-12-21  
; PRIOR APPLICATION NUMBER: 60/257,495  
; PRIOR FILING DATE: 2000-12-21  
; PRIOR APPLICATION NUMBER: 60/258,171  
; PRIOR FILING DATE: 2000-12-20  
; PRIOR APPLICATION NUMBER: 60/269,940  
; PRIOR FILING DATE: 2001-02-20  
; PRIOR APPLICATION NUMBER: 60/274,192  
; PRIOR FILING DATE: 2001-03-08

; PRIOR APPLICATION NUMBER: 60/277,826  
; PRIOR FILING DATE: 2001-03-22  
; PRIOR APPLICATION NUMBER: 60/279,840  
; PRIOR FILING DATE: 2001-03-29  
; PRIOR APPLICATION NUMBER: 60/282,981  
; PRIOR FILING DATE: 2001-04-11  
; PRIOR APPLICATION NUMBER: 60/283,656  
; PRIOR FILING DATE: 2001-04-13  
; PRIOR APPLICATION NUMBER: 60/309,247  
; PRIOR FILING DATE: 2001-07-31  
; PRIOR APPLICATION NUMBER: 60/311,754  
; PRIOR FILING DATE: 2001-08-17  
; PRIOR APPLICATION NUMBER: 60/313,331  
; PRIOR FILING DATE: 2001-08-17  
; NUMBER OF SEQ ID NOS: 260  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 107  
; LENGTH: 218  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Connexin  
; OTHER INFORMATION: Consensus Sequence  
US-10-032-189-107

Query Match 94.3%; Score 33; DB 14; Length 218;  
Best Local Similarity 83.3%; Pred. No. 6.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSFL 6  
:|||||  
Db 1 MDWSFL 6

RESULT 7  
US-10-347-470A-26  
; Sequence 26, Application US/10347470A  
; Publication No. US20040002054A1  
; GENERAL INFORMATION:  
; APPLICANT: Horvitz, H. Robert  
; APPLICANT: Hwang, Ho Yon  
; TITLE OF INVENTION: SQV NUCLEIC ACIDS AND POLYPEPTIDES  
; FILE REFERENCE: 01997/542003  
; CURRENT APPLICATION NUMBER: US/10/347,470A  
; CURRENT FILING DATE: 2003-01-17  
; PRIOR APPLICATION NUMBER: US 60/349,630  
; PRIOR FILING DATE: 2002-01-18  
; PRIOR APPLICATION NUMBER: US 60/390,930  
; PRIOR FILING DATE: 2002-06-24  
; NUMBER OF SEQ ID NOS: 81  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 26  
; LENGTH: 827  
; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-10-347-470A-26

Query Match 94.3%; Score 33; DB 15; Length 827;  
Best Local Similarity 83.3%; Pred. No. 2e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSFL 6  
:|||||  
Db 370 LDWSFI 375

RESULT 8  
US-09-847-940B-15  
; Sequence 15, Application US/09847940B  
; Patent No. US2002015600A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 15  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-15

Query Match 91.4%; Score 32; DB 9; Length 6;  
Best Local Similarity 83.3%; Pred. No. 1.2e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSFL 6  
:|||||  
Db 1 LDWSYL 6

RESULT 9  
US-09-847-946A-15  
; Sequence 15, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 15  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NBD peptide  
US-09-847-946A-15

Query Match 91.4%; Score 32; DB 10; Length 6;  
Best Local Similarity 83.3%; Pred. No. 1.2e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSFL 6  
:|||||  
Db 1 LDWSYL 6

RESULT 10  
US-10-424-599-164997  
; Sequence 164997, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; OTHER INFORMATION: Plants and Uses Thereof for Plant Improvement



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; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 164997
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_120008C.1.pep
US-10-424-599-164997

Query Match          91.4%; Score 32; DB 12; Length 46;
Best Local Similarity 83.3%; Pred. No. 2.6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSFL 6
Db      35 LDWSYL 40

RESULT 11
US-09-764-877-1782
; Sequence 1782, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1782
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (51)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (56)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-877-1782

Query Match          91.4%; Score 32; DB 9; Length 56;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSFL 6
Db      27 LDWNFL 32

RESULT 12
US-10-242-515-1782
; Sequence 1782, Application US/10242515
; Publication No. US20040009489A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005C1
; CURRENT APPLICATION NUMBER: US/10/242,515
; CURRENT FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 09/764,877
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886

; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 164997
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_120008C.1.pep
US-10-424-599-164997

Query Match          91.4%; Score 32; DB 12; Length 46;
Best Local Similarity 83.3%; Pred. No. 2.6e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSFL 6
Db      35 LDWSYL 40

RESULT 11
US-09-764-877-1782
; Sequence 1782, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1782
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (51)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (56)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-877-1782

Query Match          91.4%; Score 32; DB 9; Length 56;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSFL 6
Db      27 LDWNFL 32

RESULT 12
US-10-242-515-1782
; Sequence 1782, Application US/10242515
; Publication No. US20040009489A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005C1
; CURRENT APPLICATION NUMBER: US/10/242,515
; CURRENT FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: 09/764,877
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886

; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 279686
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_94579C.1.pep
US-10-424-599-279686

Query Match          91.4%; Score 32; DB 12; Length 134;
Best Local Similarity 83.3%; Pred. No. 6.3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSFL 6
Db      95 LDWSFV 100

RESULT 14
US-10-437-963-181936
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; Sequence 181936, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 181936
; LENGTH: 650
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(650)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_79169C.1.pap
US-10-437-963-181936
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Query Match          91.4%; Score 32; DB 16; Length 650;
Best Local Similarity 83.3%; Pred. No. 2.4e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY      1 LDWSFL 6
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Db       61 VDWSFL 66
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RESULT 15
US-10-104-047-2340
; Sequence 2340, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20030236392A1e1 full length cDNA
; FILE REFERENCE: HI-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2340
; LENGTH: 743
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2340
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Query Match          91.4%; Score 32; DB 15; Length 743;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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QY      1 LDWSFL 6
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Db       98 VDWSFL 103
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Search completed: September 23, 2004, 22:47:12
Job time : 33.7237 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-15

Perfect score: 36

Sequence: 1 LDWSYL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:\*
- 1: /cgn2\_6/ptodata/2/iaa/5A COMB.pep.\*
  - 2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*
  - 3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*
  - 4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/iaa/PCTUS COMB.pep.\*
  - 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	36	100.0	829	4	US-09-252-991A-27150
2	34	94.4	98	4	US-09-711-164-432
3	33	91.7	80	4	US-09-543-681A-7619
4	32	88.9	462	4	US-09-134-001C-4300
5	32	88.9	597	4	US-09-252-991A-17139
6	32	88.9	651	4	US-09-107-532A-4902
7	32	88.9	651	4	US-09-134-000C-5699
8	32	88.9	706	1	US-08-484-105-16
9	32	88.9	706	1	US-08-484-106-16
10	32	88.9	911	1	US-08-596-985-2
11	32	88.9	1244	4	US-09-543-681A-6274
12	31	86.1	385	4	US-09-431-577-20
13	31	86.1	704	4	US-09-731-166-8
14	31	86.1	745	2	US-08-887-518-3
15	31	86.1	745	2	US-09-032-321-3
16	31	86.1	745	2	US-08-890-853-4
17	31	86.1	745	2	US-09-032-475-3
18	31	86.1	745	2	US-09-032-475-3
19	31	86.1	745	2	US-09-032-475-3
20	31	86.1	745	2	US-09-032-475-3
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22	31	86.1	745	2	US-09-032-475-3
23	31	86.1	745	2	US-09-032-475-3
24	31	86.1	745	2	US-09-032-475-3
25	31	86.1	745	2	US-09-032-475-3
26	31	86.1	745	2	US-09-032-475-3
27	31	86.1	745	2	US-09-032-475-3

28	31	86.1	745	4	US-09-868-758-3	Sequence 3, Appli
29	31	86.1	756	2	US-08-887-518-4	Sequence 4, Appli
30	31	86.1	756	2	US-09-023-321-4	Sequence 4, Appli
31	31	86.1	756	2	US-08-890-853-2	Sequence 2, Appli
32	31	86.1	756	2	US-09-032-475-4	Sequence 4, Appli
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43	31	86.1	756	2	US-09-032-475-4	Sequence 4, Appli
44	31	86.1	756	2	US-09-032-475-4	Sequence 4, Appli
45	31	86.1	756	2	US-09-032-475-4	Sequence 4, Appli

## ALIGNMENTS

RESULT 1  
US-09-252-991A-27150  
; Sequence 27150, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 27150  
; LENGTH: 829  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-27150

Query Match 100.0%; Score 36; DB 4; Length 829;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSYL 6  
Db 486 LDWSYL 491

RESULT 2  
US-09-711-164-432  
; Sequence 432, Application US/097111164  
; Patent No. 6589738  
; GENERAL INFORMATION:  
; APPLICANT: Forsyth, R. Alllyn  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERAPY  
; FILE REFERENCE: ELITRA.008A  
; CURRENT APPLICATION NUMBER: US/09/711,164  
; CURRENT FILING DATE: 2000-11-09  
; PRIOR APPLICATION NUMBER: US 60/164415  
; PRIOR FILING DATE: 1999-11-9  
; NUMBER OF SEQ ID NOS: 469  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 432  
; LENGTH: 98  
; TYPE: PRT

! ORGANISM: Escherichia coli  
US-09-711-164-432

Query Match 94.4%; Score 34; DB 4; Length 98;  
Best Local Similarity 83.3%; Pred. No. 33;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSYL 6  
:|||||  
Db 67 LDWSYL 72

RESULT 3  
US-09-543-681A-7619  
; Sequence 7619, Application US/09543681A  
; Patent No. 6605709  
; GENERAL INFORMATION:  
; APPLICANT: GARY BRETON  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
; FILE REFERENCE: 2709.1002-001  
; CURRENT APPLICATION NUMBER: US/09/543,681A  
; CURRENT FILING DATE: 2000-04-05  
; PRIOR APPLICATION NUMBER: US 60/128,706  
; PRIOR FILING DATE: 1999-04-09  
; NUMBER OF SEQ ID NOS: 8344  
; SEQ ID NO 7619  
; LENGTH: 80  
; TYPE: PRT  
; ORGANISM: Proteus mirabilis  
US-09-543-681A-7619

Query Match 91.7%; Score 33; DB 4; Length 80;  
Best Local Similarity 83.3%; Pred. No. 40;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSYL 6  
:|||||  
Db 70 VDWSYL 75

RESULT 4  
US-09-134-001C-4300  
; Sequence 4300, Application US/09134001C  
; Patent No. 6380370  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
; FILE REFERENCE: GTC-007  
; CURRENT APPLICATION NUMBER: US/09/134,001C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/064,964  
; PRIOR FILING DATE: 1997-11-08  
; PRIOR APPLICATION NUMBER: US 60/055,779  
; PRIOR FILING DATE: 1997-08-14  
; NUMBER OF SEQ ID NOS: 5674  
; SEQ ID NO 4300  
; LENGTH: 462  
; TYPE: PRT  
; ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-4300

Query Match 88.9%; Score 32; DB 4; Length 462;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSY 5  
:|||||  
Db 159 LDWSY 163

RESULT 5

US-09-252-991A-17139  
; Sequence 17139, Application US/09252991A  
; Patent No. 6551195  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 17139  
; LENGTH: 597  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-17139

Query Match 88.9%; Score 32; DB 4; Length 597;  
Best Local Similarity 100.0%; Pred. No. 4.7e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSYL 6  
:|||||  
Db 153 DWSYL 157

RESULT 6  
US-09-107-532A-4902  
; Sequence 4902, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD-ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998  
; APPLICATION NUMBER: 60/051571  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; TELEFAX: (781)893-8277  
; INFORMATION FOR SEQ ID NO: 4902:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 651 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES

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; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...651
; SEQUENCE DESCRIPTION: SEQ ID NO: 4902:
US-09-107-532A-4902

Query Match      88.9%; Score 32; DB 4; Length 651;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSY 5
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Db      360 LDWSY 364

RESULT 7
US-09-134-000C-5699
; Sequence 5699, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5699
; LENGTH: 651
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5699

Query Match      88.9%; Score 32; DB 4; Length 651;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSY 5
      |||||
Db      360 LDWSY 364

RESULT 8
US-08-484-105-16
; Sequence 16, Application US/08484105
; Patent No. 5589341
; GENERAL INFORMATION:
; APPLICANT: STILLMAN, Bruce
; APPLICANT: BELL, Stephen P
; APPLICANT: KOBAYASHI, Ryuji
; APPLICANT: RINE, Jasper
; APPLICANT: FOSS, Margit
; APPLICANT: MCNALLY, Francis J
; APPLICANT: LAURENSEN, Patricia
; APPLICANT: HERSKOWITZ, Ira
; APPLICANT: LI, Joachim J
; APPLICANT: GAVIN, Kimberly
; TITLE OF INVENTION: ORIGIN OF REPLICATION COMPLEX GENES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/484,106
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman Ph.D., Richard Aron
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: A-59032/DJB/RAO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 494-8700
; TELEFAX: (415) 494-8771

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,105
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman Ph.D., Richard Aron
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: A-59032/DJB/RAO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 494-8700
; TELEFAX: (415) 494-8771
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 706 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-484-105-16

Query Match      88.9%; Score 32; DB 1; Length 706;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDWSY 5
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Db      193 LDWSY 197

RESULT 9
US-08-484-106-16
; Sequence 16, Application US/08484106
; Patent No. 5614618
; GENERAL INFORMATION:
; APPLICANT: STILLMAN, Bruce
; APPLICANT: BELL, Stephen P
; APPLICANT: KOBAYASHI, Ryuji
; APPLICANT: RINE, Jasper
; APPLICANT: FOSS, Margit
; APPLICANT: MCNALLY, Francis J
; APPLICANT: LAURENSEN, Patricia
; APPLICANT: HERSKOWITZ, Ira
; APPLICANT: LI, Joachim J
; APPLICANT: GAVIN, Kimberly
; TITLE OF INVENTION: ORIGIN OF REPLICATION COMPLEX GENES
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/484,106
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman Ph.D., Richard Aron
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: A-59032/DJB/RAO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 494-8700
; TELEFAX: (415) 494-8771

```

TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 706 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-484-106-16

Query Match 88.9%; Score 32; DB 1; Length 706;  
Best Local Similarity 100.0%; Pred. NO. 5.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSY 5  
| | | | |  
DB 193 LDWSY 197

RESULT 10  
US-08-596-985-2  
Sequence 2, Application US/08596985  
Patent No. 5736374  
GENERAL INFORMATION:  
APPLICANT: Berka, Randy M.  
APPLICANT: Hucul, John A.  
APPLICANT: Ward, Michael  
TITLE OF INVENTION: Increased Production of  
TITLE OF INVENTION: Beta-galactosidase in Aspergillus oryzae  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genecor International, Inc  
STREET: 180 Kimball Way  
CITY: South San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/596,985  
FILING DATE: 05-FEB-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/267,631  
FILING DATE: 29-JUN-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Horn, Margaret A  
REGISTRATION NUMBER: 33,401  
REFERENCE/DOCKET NUMBER: GC250  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 742-7536  
TELEFAX: (415) 742-7217  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 911 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-596-985-2

Query Match 88.9%; Score 32; DB 1; Length 911;  
Best Local Similarity 83.3%; Pred. NO. 7.2e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWSYL 6  
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DB 675 LDWKYL 680

RESULT 11  
US-09-543-681A-6274  
Sequence 6274, Application US/09543681A  
Patent No. 6605709  
GENERAL INFORMATION:  
APPLICANT: GARY BRETON  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 2709.1002-001  
CURRENT APPLICATION NUMBER: US/09/543,681A  
CURRENT FILING DATE: 2000-04-05  
PRIOR APPLICATION NUMBER: US 60/128,706  
PRIOR FILING DATE: 1999-04-09  
NUMBER OF SEQ ID NOS: 8344  
SEQ ID NO 6274  
LENGTH: 1244  
TYPE: PRT  
ORGANISM: Proteus mirabilis  
US-09-543-681A-6274

Query Match 88.9%; Score 32; DB 4; Length 1244;  
Best Local Similarity 100.0%; Pred. NO. 9.9e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DWSYL 6  
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DB 1064 DWSYL 1068

RESULT 12  
US-09-491-577-20  
Sequence 20, Application US/09491577  
Patent No. 6610511  
GENERAL INFORMATION:  
APPLICANT: Yale University  
APPLICANT: Carlson, John R.  
APPLICANT: Kim, Hunhyong  
APPLICANT: Clyne, Peter J.  
APPLICANT: Warr, Coral G.  
TITLE OF INVENTION: No. 6610511el Family of Odorant Receptor Genes in Drosophila  
FILE REFERENCE: 44574-5061-US  
CURRENT APPLICATION NUMBER: US/09/491,577  
CURRENT FILING DATE: 2000-01-25  
EARLIER APPLICATION NUMBER: US 60/117,132  
EARLIER FILING DATE: 1999-01-25  
NUMBER OF SEQ ID NOS: 112  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 20  
LENGTH: 385  
TYPE: PRT  
ORGANISM: Drosophila melanogaster  
US-09-491-577-20

Query Match 86.1%; Score 31; DB 4; Length 385;  
Best Local Similarity 83.3%; Pred. NO. 4.5e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSYL 6  
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DB 148 LDWSHL 153

RESULT 13  
US-09-731-166-8  
Sequence 8, Application US/09731166  
Patent No. 6639126  
GENERAL INFORMATION:  
APPLICANT: Sewalt, Vincent J. H.  
APPLICANT: Singletary, George W.  
TITLE OF INVENTION: Production of Modified Polysaccharides  
FILE REFERENCE: 35718/206348  
CURRENT APPLICATION NUMBER: US/09/731,166

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; CURRENT FILING DATE: 2000-12-06
; PRIOR APPLICATION NUMBER: 60/169,993
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 704
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-731-166-8

Query Match      86.1%; Score 31; DB 4; Length 704;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 LDWSYL 6
Db      597 LDWRYL 602

RESULT 14
US-08-887-518-3
; Sequence 3, Application US/08887518
; Patent No. 5843721
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin
; TITLE OF INVENTION: NTK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,518
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-887-518-3

Query Match      86.1%; Score 31; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSYL 6
Db      738 LDWSWL 743

RESULT 15
US-09-023-321-3
; Sequence 3, Application US/09023321
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; Patent No. 5844073
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin
; TITLE OF INVENTION: NTK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,321
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,518
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-023-321-3

Query Match      86.1%; Score 31; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDWSYL 6
Db      738 LDWSWL 743

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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:20:24 ; Search time 32,7237 Seconds  
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58.959 Million cell updates/sec

Title: US-09-643-260-15  
Perfect score: 36  
Sequence: 1 LDWSYL 6

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Gapop 10.0 , Gapext 0.5

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Maximum Match 100%  
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- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
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- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	36	100.0	6	9	US-09-847-940B-15
2	36	100.0	6	10	US-09-847-946A-15
3	36	100.0	46	12	US-10-424-599-164997
4	34	94.4	98	12	US-10-282-122A-42628
5	34	94.4	98	14	US-10-287-274-432
6	33	91.7	79	12	US-10-282-122A-68458
7	33	91.7	137	16	US-10-437-963-132426
8	33	91.7	193	12	US-09-758-759-175
9	32	88.9	6	9	US-09-847-940B-14
10	32	88.9	6	10	US-09-847-946A-14
11	32	88.9	27	10	US-09-974-879-385
12	32	88.9	27	10	US-09-305-736-385
13	32	88.9	27	11	US-09-818-683-385
14	32	88.9	27	12	US-10-621-401-385
15	32	88.9	155	16	US-10-767-701-49501

16	32	88.9	274	12	US-10-425-114-67523	Sequence 67523, A
17	32	88.9	297	12	US-10-425-114-66684	Sequence 66684, A
18	32	88.9	308	16	US-10-437-963-108296	Sequence 108296, A
19	32	88.9	351	12	US-10-424-599-199984	Sequence 199984, A
20	32	88.9	376	15	US-10-369-493-12565	Sequence 12565, A
21	32	88.9	393	12	US-10-335-977-4904	Sequence 4904, A
22	32	88.9	395	12	US-10-335-977-4905	Sequence 4905, A
23	32	88.9	412	12	US-10-412-699B-1499	Sequence 1499, A
24	32	88.9	412	15	US-10-374-780A-1378	Sequence 1378, A
25	32	88.9	412	16	US-10-437-963-103217	Sequence 103217, A
26	32	88.9	445	14	US-10-156-761-8567	Sequence 8567, A
27	32	88.9	500	16	US-10-437-963-169455	Sequence 169455, A
28	32	88.9	509	12	US-10-425-114-67482	Sequence 67482, A
29	32	88.9	525	15	US-10-369-493-267	Sequence 267, A
30	32	88.9	542	15	US-10-369-493-913	Sequence 913, A
31	32	88.9	560	15	US-10-369-493-13768	Sequence 13768, A
32	32	88.9	561	9	US-09-815-242-12101	Sequence 12101, A
33	32	88.9	561	12	US-10-282-122A-66833	Sequence 66833, A
34	32	88.9	567	14	US-10-032-585-7639	Sequence 7639, A
35	32	88.9	567	12	US-10-282-122A-78210	Sequence 78210, A
36	32	88.9	568	12	US-10-282-122A-69506	Sequence 69506, A
37	32	88.9	583	15	US-10-369-493-15366	Sequence 15366, A
38	32	88.9	724	15	US-10-369-493-2523	Sequence 2523, A
39	32	88.9	737	12	US-10-170-385-275	Sequence 275, A
40	32	88.9	1024	14	US-10-213-990-30	Sequence 30, A
41	32	88.9	1220	16	US-10-437-963-151021	Sequence 151021, A
42	32	88.9	1241	12	US-10-282-122A-68580	Sequence 68580, A
43	32	88.9	1346	16	US-10-437-963-194103	Sequence 194103, A
44	32	88.9	1445	16	US-10-437-963-192581	Sequence 192581, A
45	32	88.9	1466	16	US-10-437-963-145223	Sequence 145223, A

## ALIGNMENTS

RESULT 1  
US-09-847-940B-15  
; Sequence 15, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PEI-117GP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 15  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-15

Query Match 100.0%; Score 36; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSYL 6  
|||  
Db 1 LDWSYL 6

RESULT 2  
US-09-847-946A-15  
; Sequence 15, Application US/09847946A  
; Publication No. US2003005499A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 15  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-15

Query Match 100.0%; Score 36; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSYL 6  
| | | | |  
Db 1 LDWSYL 6

RESULT 3  
US-10-424-599-164997  
; Sequence 164997, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 164997  
; LENGTH: 46  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_120008C.1.pep  
US-10-424-599-164997

Query Match 100.0%; Score 36; DB 12; Length 46;  
Best Local Similarity 100.0%; Pred. No. 57;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSYL 6  
| | | | |  
Db 35 LDWSYL 40

RESULT 4  
US-10-282-122A-42628  
; Sequence 42628, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Lianguo  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari

; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA. 034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 42628  
; LENGTH: 98  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-10-282-122A-42628

Query Match 94.4%; Score 34; DB 12; Length 98;  
Best Local Similarity 83.3%; Pred. No. 2.3e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSYL 6  
| | | | |  
Db 67 LDWSYL 72

RESULT 5  
US-10-287-274-432  
; Sequence 432, Application US/10287274  
; Publication No. US20030181408A1  
; GENERAL INFORMATION:  
; APPLICANT: Forsyth, R. Allyn  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERETO  
; FILE REFERENCE: ELITRA. 008DVI  
; CURRENT APPLICATION NUMBER: US/10/287,274  
; CURRENT FILING DATE: 2002-10-31  
; PRIOR APPLICATION NUMBER: US 60/164415  
; PRIOR FILING DATE: 1999-11-09  
; PRIOR APPLICATION NUMBER: US 09/711164  
; PRIOR FILING DATE: 2000-11-09  
; NUMBER OF SEQ ID NOS: 469  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 432  
; LENGTH: 98  
; TYPE: PRT  
; ORGANISM: Escherichia coli  
US-10-287-274-432

Query Match 94.4%; Score 34; DB 14; Length 98;  
 Best Local Similarity 83.3%; Pred. No. 2.3e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSYL 6  
 Db 67 IDWSYL 72

RESULT 6  
 US-10-282-122A-68458  
 ; Sequence 68458, Application US/10282122A  
 ; Publication No. US20040029129A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, Liangsu  
 ; APPLICANT: Zamudio, Carlos  
 ; APPLICANT: Malone, Cheryl  
 ; APPLICANT: Haselbeck, Robert  
 ; APPLICANT: Orlsen, Kari  
 ; APPLICANT: Zyskind, Judith  
 ; APPLICANT: Wall, Daniel  
 ; APPLICANT: Trawick, John  
 ; APPLICANT: Carr, Grant  
 ; APPLICANT: Yamamoto, Robert  
 ; APPLICANT: Forsyth, R.  
 ; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
 ; FILE REFERENCE: ELITRA 034A  
 ; CURRENT FILING DATE: 2003-02-20  
 ; PRIOR APPLICATION NUMBER: 60/191,078  
 ; PRIOR FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: 60/206,848  
 ; PRIOR FILING DATE: 2000-05-23  
 ; PRIOR APPLICATION NUMBER: 60/207,727  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: 60/230,335  
 ; PRIOR FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: 60/230,347  
 ; PRIOR FILING DATE: 2000-09-09  
 ; PRIOR APPLICATION NUMBER: 60/242,578  
 ; PRIOR FILING DATE: 2000-10-23  
 ; PRIOR APPLICATION NUMBER: 60/253,625  
 ; PRIOR FILING DATE: 2000-11-27  
 ; PRIOR APPLICATION NUMBER: 60/257,931  
 ; PRIOR FILING DATE: 2000-12-22  
 ; PRIOR APPLICATION NUMBER: 60/267,636  
 ; PRIOR FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/269,308  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 78614  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 68458  
 ; LENGTH: 79  
 ; TYPE: PRT  
 ; ORGANISM: Proteus mirabilis  
 US-10-282-122A-68458

Query Match 91.7%; Score 33; DB 12; Length 79;  
 Best Local Similarity 83.3%; Pred. No. 2.8e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSYL 6  
 Db 69 VDWSYL 74

RESULT 7  
 US-10-437-963-132426  
 ; Sequence 132426, Application US/10437963  
 ; Publication No. US20040123343A1  
 ; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Wu, Wei  
 ; APPLICANT: Boukharov, Andrey A.  
 ; APPLICANT: Barbazuk, Brad  
 ; APPLICANT: Li, Ping  
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
 ; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53221)B  
 ; CURRENT APPLICATION NUMBER: US/10/437,963  
 ; CURRENT FILING DATE: 2003-05-14  
 ; NUMBER OF SEQ ID NOS: 204966  
 ; SEQ ID NO 132426  
 ; LENGTH: 137  
 ; TYPE: PRT  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; NAME/KEY: unsure  
 ; LOCATION: (1)...(137)  
 ; OTHER INFORMATION: unsure at all Xaa locations  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_34396C.1.pep  
 US-10-437-963-132426

Query Match 91.7%; Score 33; DB 16; Length 137;  
 Best Local Similarity 83.3%; Pred. No. 4.5e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSYL 6  
 Db 99 VDWSYL 104

RESULT 8  
 US-09-758-759-175  
 ; Sequence 175, Application US/09758759  
 ; Publication No. US20040101832A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hosted, Thomas J.  
 ; APPLICANT: Wang, Tim X.  
 ; APPLICANT: Horan, Ann C.  
 ; TITLE OF INVENTION: Everninomycin Biosynthetic Genes  
 ; FILE REFERENCE: ID0983K US  
 ; CURRENT APPLICATION NUMBER: US/09/758,759  
 ; CURRENT FILING DATE: 2001-01-11  
 ; PRIOR APPLICATION NUMBER: US 60/175,751  
 ; PRIOR FILING DATE: 2000-01-12  
 ; NUMBER OF SEQ ID NOS: 204  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 175  
 ; LENGTH: 193  
 ; TYPE: PRT  
 ; ORGANISM: Micromonospora carbonacea  
 ; FEATURE:  
 ; OTHER INFORMATION: evrMR2  
 US-09-758-759-175

Query Match 91.7%; Score 33; DB 12; Length 193;  
 Best Local Similarity 83.3%; Pred. No. 6.1e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWSYL 6  
 Db 139 LDWAYL 144

RESULT 9  
 US-09-847-940B-14  
 ; Sequence 14, Application US/09847940B  
 ; Patent No. US20020156000A1  
 ; GENERAL INFORMATION:

; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 14  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-14

Query Match 88.9%; Score 32; DB 9; Length 6;  
Best Local Similarity 83.3%; Pred. No. 1.2e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSYL 6  
Db 1 LDWSFL 6

RESULT 10  
US-09-847-946A-14  
; Sequence 14, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 14  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-14

Query Match 88.9%; Score 32; DB 10; Length 6;  
Best Local Similarity 83.3%; Pred. No. 1.2e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSYL 6  
Db 1 LDWSFL 6

RESULT 11  
US-09-974-879-385  
; Sequence 385, Application US/09974879  
; Publication No. US20030028003A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 125 Human Secreted Proteins  
; FILE REFERENCE: P2020P2  
; CURRENT APPLICATION NUMBER: US/09/974,879

; CURRENT FILING DATE: 2001-10-12  
; PRIOR APPLICATION NUMBER: US 60/239,893  
; PRIOR FILING DATE: 2000-10-13  
; PRIOR APPLICATION NUMBER: US 09/818,683  
; PRIOR FILING DATE: 2001-03-28  
; PRIOR APPLICATION NUMBER: US 09/305,736  
; PRIOR FILING DATE: 1999-05-05  
; PRIOR APPLICATION NUMBER: PCT/US98/23435  
; PRIOR FILING DATE: 1998-11-04  
; PRIOR APPLICATION NUMBER: US 60/064,911  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/064,912  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/064,983  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/064,900  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/064,988  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/064,987  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/064,908  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/064,984  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/064,985  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/066,094  
; PRIOR FILING DATE: 1997-11-17  
; PRIOR APPLICATION NUMBER: US 60/066,100  
; PRIOR FILING DATE: 1997-11-17  
; PRIOR APPLICATION NUMBER: US 60/066,089  
; PRIOR FILING DATE: 1997-11-17  
; PRIOR APPLICATION NUMBER: US 60/066,095  
; PRIOR FILING DATE: 1997-11-17  
; PRIOR APPLICATION NUMBER: US 60/066,090  
; PRIOR FILING DATE: 1997-11-17  
; NUMBER OF SEQ ID NOS: 611  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 385  
; LENGTH: 27  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-974-879-385

Query Match 88.9%; Score 32; DB 10; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSY 5  
Db 8 LDWSY 12

RESULT 12  
US-09-305-736-385  
; Sequence 385, Application US/09305736  
; Publication No. US20030088078A1  
; GENERAL INFORMATION:  
; APPLICANT: Feng et al.  
; TITLE OF INVENTION: 125 Human Secreted Proteins  
; FILE REFERENCE: P2020P1  
; CURRENT APPLICATION NUMBER: US/09/305,736  
; CURRENT FILING DATE: 1999-05-05  
; PRIOR APPLICATION NUMBER: PCT/US98/23435  
; EARLIER FILING DATE: 1998-11-04  
; EARLIER FILING DATE: 1997-11-07  
; EARLIER FILING DATE: 1997-11-07  
; EARLIER FILING DATE: 1997-11-07  
; EARLIER FILING DATE: 1997-11-07  
; EARLIER FILING DATE: 1997-11-07  
; EARLIER APPLICATION NUMBER: 60/064,911  
; EARLIER APPLICATION NUMBER: 60/064,912  
; EARLIER APPLICATION NUMBER: 60/064,983  
; EARLIER APPLICATION NUMBER: 60/064,900

EARLIER FILING DATE: 1997-11-07  
EARLIER APPLICATION NUMBER: 60/064,988  
EARLIER FILING DATE: 1997-11-07  
EARLIER APPLICATION NUMBER: 60/064,987  
EARLIER FILING DATE: 1997-11-07  
EARLIER APPLICATION NUMBER: 60/064,908  
EARLIER FILING DATE: 1997-11-07  
EARLIER APPLICATION NUMBER: 60/064,984  
EARLIER FILING DATE: 1997-11-07  
EARLIER APPLICATION NUMBER: 60/064,985  
EARLIER FILING DATE: 1997-11-07  
EARLIER APPLICATION NUMBER: 60/066,094  
EARLIER FILING DATE: 1997-11-17  
EARLIER APPLICATION NUMBER: 60/066,100  
EARLIER FILING DATE: 1997-11-17  
EARLIER APPLICATION NUMBER: 60/066,089  
EARLIER FILING DATE: 1997-11-17  
EARLIER APPLICATION NUMBER: 60/066,095  
EARLIER FILING DATE: 1997-11-17  
EARLIER APPLICATION NUMBER: 60/066,090  
EARLIER FILING DATE: 1997-11-17  
NUMBER OF SEQ ID NOS: 612  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 385  
LENGTH: 27  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-305-736-385

Query Match 88.9%; Score 32; DB 10; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSY 5  
DB 8 LDWSY 12

RESULT 13  
US-09-818-683-385  
Sequence 385, Application US/09818683  
Publication No. US20030211472A1  
GENERAL INFORMATION:  
APPLICANT: Feng et al.  
TITLE OF INVENTION: 125 Human Secreted Proteins  
FILE REFERENCE: P2020P1  
CURRENT APPLICATION NUMBER: US/09/818,683  
CURRENT FILING DATE: 2001-03-28  
Prior application data removed - consult PALM or file wrapper  
NUMBER OF SEQ ID NOS: 612  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 385  
LENGTH: 27  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-818-683-385

Query Match 88.9%; Score 32; DB 11; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSY 5  
DB 8 LDWSY 12

RESULT 14  
US-10-621-401-385  
Sequence 385, Application US/10621401  
Publication No. US20040038277A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: 125 Human Secreted Proteins

FILE REFERENCE: P2020P2C1  
CURRENT APPLICATION NUMBER: US/10/621,401  
CURRENT FILING DATE: 2003-07-18  
PRIOR APPLICATION NUMBER: US 09/974,879  
PRIOR FILING DATE: 2001-10-12  
PRIOR APPLICATION NUMBER: US 60/239,893  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: US 09/818,683  
PRIOR FILING DATE: 2001-03-28  
PRIOR APPLICATION NUMBER: US 09/305,736  
PRIOR FILING DATE: 1999-05-05  
PRIOR APPLICATION NUMBER: PCT/US98/23435  
PRIOR FILING DATE: 1998-11-04  
PRIOR APPLICATION NUMBER: US 60/064,911  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/064,912  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/064,983  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/064,900  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/064,988  
PRIOR FILING DATE: 1997-11-07  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 611  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 385  
LENGTH: 27  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-621-401-385

Query Match 88.9%; Score 32; DB 12; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSY 5  
DB 8 LDWSY 12

RESULT 15  
US-10-767-701-49501  
Sequence 49501, Application US/10767701  
Publication No. US20040172684A1  
GENERAL INFORMATION:  
APPLICANT: Kovalic, David K.  
APPLICANT: Zhou, Yihua  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof For Plant Improvement  
FILE REFERENCE: 38-21(53535)B  
CURRENT APPLICATION NUMBER: US/10/767,701  
CURRENT FILING DATE: 2004-01-29  
NUMBER OF SEQ ID NOS: 63128  
SEQ ID NO 49501  
LENGTH: 155  
TYPE: PRT  
ORGANISM: Sorghum bicolor  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3476-055-PI-K1-G3.pgp  
US-10-767-701-49501

Query Match 88.9%; Score 32; DB 16; Length 155;  
Best Local Similarity 66.7%; Pred. No. 7.3e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWSYL 6  
DB 8 IDWSYI 13

Search completed: September 23, 2004, 22:47:14

Job time : 34.7237 secs

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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-16  
Perfect score: 40  
Sequence: 1 LDMAWL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
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3: /cgn2\_6/ptodata/2/iaa/6A COMB.pap.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	38	95.0	223	4	US-09-107-532A-5762
2	37	92.5	745	2	US-08-887-518-3
3	37	92.5	745	2	US-09-023-321-3
4	37	92.5	745	2	US-08-830-853-4
5	37	92.5	745	2	US-09-032-475-3
6	37	92.5	745	2	US-09-039-125A-4
7	37	92.5	745	2	US-09-039-124A-4
8	37	92.5	745	3	US-09-032-476-4
9	37	92.5	745	3	US-08-890-854-4
10	37	92.5	745	3	US-09-023-324-4
11	37	92.5	745	3	US-09-168-629-2
12	37	92.5	745	3	US-08-910-820-10
13	37	92.5	745	3	US-08-810-131A-2
14	37	92.5	745	4	US-09-109-986-4
15	37	92.5	745	4	US-09-844-908-10
16	37	92.5	745	4	US-09-868-758-3
17	37	92.5	756	2	US-08-887-518-4
18	37	92.5	756	2	US-09-023-321-4
19	37	92.5	756	2	US-08-890-853-2
20	37	92.5	756	2	US-09-032-475-4
21	37	92.5	756	2	US-09-099-125A-2
22	37	92.5	756	2	US-09-099-124A-2
23	37	92.5	756	3	US-09-032-476-2
24	37	92.5	756	3	US-08-890-854-2
25	37	92.5	756	3	US-09-023-324-2
26	37	92.5	756	3	US-09-168-629-15
27	37	92.5	756	3	US-08-910-820-9

28	37	92.5	756	4	US-09-109-986-2	Sequence 2, Appli
29	37	92.5	756	4	US-09-844-908-9	Sequence 9, Appli
30	37	92.5	756	4	US-09-868-758-4	Sequence 4, Appli
31	37	92.5	996	4	US-09-417-197-123	Sequence 123, App
32	37	92.5	997	4	US-09-417-197-121	Sequence 121, App
33	36	90.0	316	4	US-09-252-991A-17312	Sequence 17312, A
34	36	90.0	1627	4	US-09-252-991A-20395	Sequence 20395, A
35	35	87.5	302	4	US-09-252-991A-21655	Sequence 21655, A
36	35	87.5	334	4	US-09-252-991A-22395	Sequence 22395, A
37	35	87.5	439	4	US-09-172-952-14	Sequence 14, Appl
38	34	85.0	297	4	US-09-489-039A-8167	Sequence 8167, Ap
39	34	85.0	1203	4	US-09-661-258-3	Sequence 3, Appli
40	34	85.0	1205	1	US-07-908-245-2	Sequence 2, Appli
41	34	85.0	1205	2	US-08-319-866-10	Sequence 10, Appl
42	34	85.0	1205	3	US-09-123-708-6	Sequence 6, Appli
43	34	85.0	1205	3	US-09-123-624-6	Sequence 6, Appli
44	34	85.0	1257	2	US-08-750-152A-2	Sequence 2, Appli
45	33	82.5	100	1	US-08-241-853-28	Sequence 28, Appl

## ALIGNMENTS

## RESULT 1

US-09-107-532A-5762  
; Sequence 5762, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
; STREET: 100 Beaver Street  
; CITY: Waltham  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02354  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: CD/ROM ISO9660  
; COMPUTER: PC  
; OPERATING SYSTEM: <Unknown>  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/107,532A  
; FILING DATE: 30-Jun-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/085,598  
; FILING DATE: 14 May 1998  
; APPLICATION NUMBER: 60/051571  
; FILING DATE: July 2, 1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ariniello, Pamela Deneke  
; REGISTRATION NUMBER: 40,489  
; REFERENCE/DOCKET NUMBER: GTC-012  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (781)893-5007  
; INFORMATION FOR SEQ ID NO: 5762:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 223 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHETICAL: YES  
; ORIGINAL SOURCE:  
; ORGANISM: Enterococcus faecium  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (B) LOCATION 1...223  
; SEQUENCE DESCRIPTION: SEQ ID NO: 5762:

US-09-107-532A-5762

Query Match 95.0%; Score 38; DB 4; Length 223;  
Best Local Similarity 83.3%; Pred. No. 94;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
DB 184 LDWAWI 189

RESULT 2  
US-08-887-518-3  
; Sequence 3, Application US/08887518  
; Patent No. 5843721  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,518  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide

US-08-887-518-3  
Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
DB 738 LDWSWL 743

RESULT 3  
US-09-023-321-3  
; Sequence 3, Application US/09023321  
; Patent No. 5844073  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO

US-08-887-518-3  
Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
DB 738 LDWSWL 743

RESULT 4  
US-08-890-853-4  
; Sequence 4, Application US/08890853  
; Patent No. 5851812  
; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; APPLICANT: Woronicz, John  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104

US-08-887-518-3  
Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
DB 738 LDWSWL 743

RESULT 5  
US-09-023-321-3  
; Sequence 3, Application US/09023321  
; Patent No. 5844073  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO

; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
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; COMPUTER: IBM PC compatible  
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; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/023,321  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,518  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide

US-09-023-321-3  
Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
DB 738 LDWSWL 743

RESULT 6  
US-08-890-853-4  
; Sequence 4, Application US/08890853  
; Patent No. 5851812  
; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; APPLICANT: Woronicz, John  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104

US-08-887-518-3  
Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
DB 738 LDWSWL 743

RESULT 7  
US-08-890-853-4  
; Sequence 4, Application US/08890853  
; Patent No. 5851812  
; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; APPLICANT: Woronicz, John  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104

US-08-887-518-3  
Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
DB 738 LDWSWL 743

RESULT 8  
US-09-023-321-3  
; Sequence 3, Application US/09023321  
; Patent No. 5844073  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO

US-08-887-518-3  
Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
DB 738 LDWSWL 743

RESULT 9  
US-09-023-321-3  
; Sequence 3, Application US/09023321  
; Patent No. 5844073  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO



; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-03-890-853-4

Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDRAWL 6  
Db 738 LDWSWL 743

## RESULT 5

US-09-032-475-3  
; Sequence 3, Application US/09032475  
; Patent No. 5854003

; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104

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; OPERATING SYSTEM: PC-DOS/MS-DOS  
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; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/032,475  
; FILING DATE:

; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/887,518  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-032-475-3

Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDRAWL 6  
Db 738 LDWSWL 743

## RESULT 6

US-09-099-125A-4  
; Sequence 4, Application US/09099125A

; Patent No. 5916760  
; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; APPLICANT: Woronicz, John  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
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; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/099,125A  
; FILING DATE:

; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/890,853  
; FILING DATE:

; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-006-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-099-125A-4

Query Match 92.5%; Score 37; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDRAWL 6  
Db 738 LDWSWL 743

## RESULT 7

US-09-099-124A-4  
; Sequence 4, Application US/09099124A  
; Patent No. 5939302

; GENERAL INFORMATION:  
; APPLICANT: Goeddel, David V.  
; APPLICANT: Woronicz, John  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/099,124A

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; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA: US/08/890,853
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-099-124A-4

Query Match 92.5%; Score 37; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 4.1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6
Db 738 LDWSWL 743

RESULT 8
US-09-032-476-4
; Sequence 4, Application US/09032476
; Patent No. 6235492
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaoan
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/09/032,476
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/890,854
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
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US-09-032-476-4

Query Match 92.5%; Score 37; DB 3; Length 745;
Best Local Similarity 83.3%; Pred. No. 4.1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6
Db 738 LDWSWL 743

RESULT 9
US-08-890-854-4
; Sequence 4, Application US/08890854
; Patent No. 6235512
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaoan
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/08/890,854
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-890-854-4

Query Match 92.5%; Score 37; DB 3; Length 745;
Best Local Similarity 83.3%; Pred. No. 4.1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6
Db 738 LDWSWL 743

RESULT 10
US-09-023-324-4
; Sequence 4, Application US/09023324
; Patent No. 6235513
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaoan
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
```

ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023,324  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/890,854  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A.  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-023-324-4

Query Match 92.5%; Score 37; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
|||:|  
DB 738 LDWSWL 743

RESULT 11  
US-09-168-629-2  
; Sequence 2, Application US/09168629  
; GENERAL INFORMATION:  
; APPLICANT: Karin, Michael  
; APPLICANT: DiDonato, Joseph A.  
; APPLICANT: Rothwarf, David M.  
; APPLICANT: Hayakawa, Makio  
; APPLICANT: Zandi, Ebrahim  
; TITLE OF INVENTION: 1kB Kinase, Subunits Thereof, and Methods of Using Same  
; FILE REFERENCE: P-UD 3295  
; CURRENT APPLICATION NUMBER: US/09/168,629  
; CURRENT FILING DATE: 1998-10-08  
; EARLIER FILING DATE: 1997-10-09  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 745  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-168-629-2

Query Match 92.5%; Score 37; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
|||:|

Db 738 LDWSWL 743  
RESULT 12  
US-08-910-820-10  
; Sequence 10, Application US/08910820  
; Patent No. 6258579  
; GENERAL INFORMATION:  
; APPLICANT: Mercurio, Frank  
; APPLICANT: Zhu, Hengyi  
; APPLICANT: Barbosa, Miguel  
; APPLICANT: Li, Gian  
; APPLICANT: Murray, Brian W.  
; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE  
; TITLE OF INVENTION: COMPLEX AND METHODS OF USE THEREFOR  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEED and BERRY LLP  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/910,820  
; FILING DATE: 12-AUG-1997  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maki, David J.  
; REGISTRATION NUMBER: 31,392  
; REFERENCE/DOCKET NUMBER: 860098.413C1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
US-08-910-820-10

Query Match 92.5%; Score 37; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAWL 6  
|||:|  
DB 738 LDWSWL 743

RESULT 13  
US-08-810-131A-2  
; Sequence 2, Application US/08810131A  
; Patent No. 6268194  
; GENERAL INFORMATION:  
; APPLICANT: Karin, Michael  
; APPLICANT: DiDonato, Joseph A.  
; APPLICANT: Rothwarf, David M.  
; APPLICANT: Hayakawa, Makio  
; APPLICANT: Zandi, Ebrahim  
; TITLE OF INVENTION: I-kappa-B Kinase and Methods of Using  
; TITLE OF INVENTION: Same  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Campbell & Flores LLP  
; STREET: 4370 La Jolla Village Drive, Suite 700  
; CITY: San Diego

STATE: California  
COUNTRY: United States  
ZIP: 92122  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/810,131A  
FILING DATE: 25-FEB-1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Campbell, Cathryn A.  
REGISTRATION NUMBER: 31,815  
REFERENCE/DOCKET NUMBER: P-UD 2408  
TELEPHONE: (619) 535-9001  
TELEFAX: (619) 535-8949  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-810-131A-2

Query Match 92.5%; Score 37; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6  
Db 738 LDWSWL 743

RESULT 14  
US-09-109-986-4  
Sequence 4, Application US/09109986  
Patent No. 6479266  
GENERAL INFORMATION:  
APPLICANT: Rothe, Mike  
APPLICANT: Cao, Zhaodan  
APPLICANT: R Gnier, Catharine  
TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
STREET: 268 BUSH STREET, SUITE 3200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/109,986  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/890,854  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: OSMAN, RICHARD A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: T97-006-1  
TELEPHONE: (415) 343-4341  
TELEFAX: (415) 343-4342  
INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-109-986-4

Query Match 92.5%; Score 37; DB 4; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6  
Db 738 LDWSWL 743

RESULT 15  
US-09-844-908-10  
Sequence 10, Application US/09844908  
Patent No. 6576437  
GENERAL INFORMATION:  
APPLICANT: Mercurio, Frank  
Zhu, Hengyi  
Barbosa, Miguel  
Li, Gian  
Murray, Brion W  
TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/844,908  
FILING DATE: 27-Apr-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/910,820  
FILING DATE: 12-AUG-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Maki, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 860098.413C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 745 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-09-844-908-10

Query Match 92.5%; Score 37; DB 4; Length 745;  
Best Local Similarity 83.3%; Pred. No. 4.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6  
Db 738 LDWSWL 743

Search completed: September 23, 2004, 21:27:37  
Job time : 10.75 secs

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Result No.	Score	Query Match	Length	DB	ID	Description
1	40	100.0	6	9	US-09-847-940B-16	Sequence 16, Appl
2	40	100.0	6	10	US-09-847-946A-16	Sequence 16, Appl
3	40	100.0	6	10	US-09-847-946A-44	Sequence 44, Appl
4	40	100.0	6	10	US-09-847-946A-106	Sequence 106, Appl
5	40	100.0	7	10	US-09-847-946A-110	Sequence 110, Appl
6	40	100.0	8	10	US-09-847-946A-103	Sequence 103, Appl
7	40	100.0	8	10	US-09-847-946A-111	Sequence 111, Appl
8	40	100.0	9	10	US-09-847-946A-102	Sequence 102, Appl
9	40	100.0	9	10	US-09-847-946A-105	Sequence 105, Appl
10	40	100.0	9	10	US-09-847-946A-108	Sequence 108, Appl
11	40	100.0	9	10	US-09-847-946A-109	Sequence 109, Appl
12	40	100.0	10	10	US-09-847-946A-104	Sequence 104, Appl
13	40	100.0	10	10	US-09-847-946A-107	Sequence 107, Appl
14	40	100.0	11	10	US-09-847-946A-101	Sequence 101, Appl
15	37	92.5	6	9	US-09-847-940B-2	Sequence 2, Appl

RESULT 4  
US-09-847-946A-106  
; Sequence 106, Application US/09847946A  
; Publication No. US20030054999A1



US-09-847-946A-103  
 ; Sequence 103, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 103  
 ; LENGTH: 8  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-103

Query Match 100.0%; Score 40; DB 10; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWAWL 6  
 Db 3 LDWAWL 8

RESULT 7  
 US-09-847-946A-111  
 ; Sequence 111, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 111  
 ; LENGTH: 8  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-111

Query Match 100.0%; Score 40; DB 10; Length 8;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWAWL 6  
 Db 1 LDWAWL 6

RESULT 8  
 US-09-847-946A-102  
 ; Sequence 102, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 102  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-102

Query Match 100.0%; Score 40; DB 10; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWAWL 6  
 Db 1 LDWAWL 6

RESULT 9  
 US-09-847-946A-105  
 ; Sequence 105, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 105  
 ; LENGTH: 9  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-105

Query Match 100.0%; Score 40; DB 10; Length 9;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 LDRAWL 6
Db      1 LDRAWL 6

RESULT 10
US-09-847-946A-108
; Sequence 108, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 108
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-108

Query Match      100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      1 LDRAWL 6
Db      3 LDRAWL 8

RESULT 11
US-09-847-946A-109
; Sequence 109, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 109
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-109

Query Match      100.0%; Score 40; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      1 LDRAWL 6
Db      1 LDRAWL 6

RESULT 12
US-09-847-946A-104
; Sequence 104, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 104
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-104

Query Match      100.0%; Score 40; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 26;
Matches      6; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      1 LDRAWL 6
Db      2 LDRAWL 7

RESULT 13
US-09-847-946A-107
; Sequence 107, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 107
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-107
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US-09-847-946A-107

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6  
| | | | |  
Db 3 LDRAWL 8

RESULT 14

US-09-847-946A-101  
; Sequence 101, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Firdels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 101  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; US-09-847-946A-101

Query Match 100.0%; Score 40; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 28;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6  
| | | | |  
Db 3 LDRAWL 8

RESULT 15

US-09-847-940B-2  
; Sequence 2, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
; US-09-847-940B-2

Query Match 92.5%; Score 37; DB 9; Length 6;

Best Local Similarity 83.3%; Pred. No. 1.2e+06;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDRAWL 6  
| | | | |  
Db 1 LDRAWL 6

Search completed: September 23, 2004, 22:47:14  
Job time : 32.7237 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 23, 2004, 21:08:19 ; Search time 9.75 Seconds  
(without alignments)  
31.770 Million cell updates/sec

Title: US-09-643-260-17  
Perfect score: 41  
Sequence: 1 LDWEWL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA.\*  
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2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*  
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4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	37	90.2	334	4	US-09-252-991A-22395
2	37	90.2	1138	4	US-09-489-039A-13574
3	36	87.8	439	4	US-09-172-952-14
4	36	87.8	745	2	US-08-887-518-3
5	36	87.8	745	2	US-09-023-321-3
6	36	87.8	745	2	US-08-890-853-4
7	36	87.8	745	2	US-09-032-475-3
8	36	87.8	745	2	US-09-099-125A-4
9	36	87.8	745	2	US-09-099-124A-4
10	36	87.8	745	3	US-09-032-476-4
11	36	87.8	745	3	US-08-890-854-4
12	36	87.8	745	3	US-09-023-324-4
13	36	87.8	745	3	US-09-168-629-2
14	36	87.8	745	3	US-08-910-820-10
15	36	87.8	745	3	US-08-810-131A-2
16	36	87.8	745	4	US-09-109-986-4
17	36	87.8	745	4	US-09-844-908-10
18	36	87.8	745	4	US-09-868-758-3
19	36	87.8	756	2	US-08-887-518-4
20	36	87.8	756	2	US-09-023-321-4
21	36	87.8	756	2	US-08-890-853-2
22	36	87.8	756	2	US-09-032-475-4
23	36	87.8	756	2	US-09-099-125A-2
24	36	87.8	756	2	US-09-099-124A-2
25	36	87.8	756	3	US-09-032-476-2
26	36	87.8	756	3	US-08-890-854-2
27	36	87.8	756	3	US-09-023-324-2

28	36	87.8	756	3	US-09-168-629-15	Sequence 15, Appl
29	36	87.8	756	3	US-08-910-820-9	Sequence 9, Appl
30	36	87.8	756	4	US-09-109-986-2	Sequence 2, Appl
31	36	87.8	756	4	US-09-844-908-9	Sequence 9, Appl
32	36	87.8	756	4	US-09-868-758-4	Sequence 4, Appl
33	36	87.8	996	4	US-09-417-137-123	Sequence 4, Appl
34	36	87.8	997	4	US-09-417-137-121	Sequence 121, App
35	35	85.4	324	4	US-09-543-681A-5947	Sequence 121, App
36	34	82.9	35	4	US-09-515-965A-1991	Sequence 5947, Ap
37	34	82.9	35	4	US-09-350-641C-1754	Sequence 1991, Ap
38	34	82.9	38	2	US-08-488-161-55	Sequence 1754, Ap
39	34	82.9	38	3	US-09-273-685-55	Sequence 55, Appl
40	34	82.9	38	5	PCT-US95-11334-55	Sequence 55, Appl
41	34	82.9	138	1	US-08-686-878A-33	Sequence 55, Appl
42	34	82.9	138	4	US-09-175-928-33	Sequence 33, Appl
43	34	82.9	279	4	US-09-543-681A-7858	Sequence 7858, Ap
44	34	82.9	441	4	US-09-540-236-3622	Sequence 3622, Ap
45	34	82.9	470	4	US-09-107-532A-4517	Sequence 4517, Ap

## ALIGNMENTS

RESULT 1  
US-09-252-991A-22395  
; Sequence 22395, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 22395  
; LENGTH: 334  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-22395

Query Match 90.2%; Score 37; DB 4; Length 334;  
Best Local Similarity 83.3%; Pred. No. 2e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
Db 136 LDWKWL 141

RESULT 2  
US-09-489-039A-13574  
; Sequence 13574, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 13574  
; LENGTH: 1138  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-13574

Query Match 90.2%; Score 37; DB 4; Length 1138;  
Best Local Similarity 66.7%; Pred. No. 6.6e+02;  
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
Db 488 MDWEWI 493

RESULT 3  
US-09-172-952-14  
; Sequence 14, Application US/09172952  
; Patent No. 6368793  
; GENERAL INFORMATION:  
; APPLICANT: Hoch, James  
; TITLE OF INVENTION: METABOLIC SELECTION METHODS  
; FILE REFERENCE: 234/191  
; CURRENT APPLICATION NUMBER: US/09/172,952  
; CURRENT FILING DATE: 1998-10-14  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 14  
; LENGTH: 439  
; TYPE: PRT  
; ORGANISM: Yiax2  
US-09-172-952-14

Query Match 87.8%; Score 36; DB 4; Length 439;  
Best Local Similarity 83.3%; Pred. No. 3.6e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
Db 171 LDWRWL 176

RESULT 4  
US-08-887-518-3  
; Sequence 3, Application US/08887518  
; Patent No. 5843721  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,518  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids

; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-887-518-3

Query Match 87.8%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.1e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
Db 738 LDWSWL 743

RESULT 5  
US-09-023-321-3  
; Sequence 3, Application US/09023321  
; Patent No. 5844073  
; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Wu, Lin  
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/023,321  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,518  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-008  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-023-321-3

Query Match 87.8%; Score 36; DB 2; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.1e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
Db 738 LDWSWL 743

RESULT 6  
US-08-890-853-4  
; Sequence 4, Application US/08890853  
; Patent No. 5851812  
; GENERAL INFORMATION:

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; APPLICANT: Goeddel, David V.
; APPLICANT: Woronicz, John
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-03-890-853-4
;
; Query Match 87.8%; Score 36; DB 2; Length 745;
; Best Local Similarity 83.3%; Pred. No. 6.1e+02;
; Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
Qy 1 LDWEWL 6
Db 738 LDWSWL 743
;
; RESULT 7
; US-09-032-475-3
; Sequence 3, Application US/09032475
; Patent No. 5854003
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Wu, Lin
; TITLE OF INVENTION: NIK Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/032,475
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,518
; FILING DATE:

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; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-032-475-3
;
; Query Match 87.8%; Score 36; DB 2; Length 745;
; Best Local Similarity 83.3%; Pred. No. 6.1e+02;
; Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
;
Qy 1 LDWEWL 6
Db 738 LDWSWL 743
;
; RESULT 8
; US-09-099-125A-4
; Sequence 4, Application US/09099125A
; Patent No. 5916760
; GENERAL INFORMATION:
; APPLICANT: Goeddel, David V.
; APPLICANT: Woronicz, John
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; FILING DATE:
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-099-125A-4
;
; Query Match 87.8%; Score 36; DB 2; Length 745;
; Best Local Similarity 83.3%; Pred. No. 6.1e+02;
; Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Oy 1 LDWEWL 6
Db 738 LDWSWL 743

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; Sequence 4, Application US/09099124A
; Patent No. 5939302
; GENERAL INFORMATION:
; APPLICANT: Goeddel, David V.
; APPLICANT: Woronicz, John
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/099,124A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,853
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-099-124A-4

Query Match 87.8%; Score 36; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 6.1e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 LDWEWL 6
Db 738 LDWSWL 743

RESULT 10
US-09-032-476-4
; Sequence 4, Application US/09032476
; Patent No. 6235492
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA

Query Match 87.8%; Score 36; DB 2; Length 745;
Best Local Similarity 83.3%; Pred. No. 6.1e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 LDWEWL 6
Db 738 LDWSWL 743

RESULT 11
US-08-890-854-4
; Sequence 4, Application US/08890854
; Patent No. 6235512
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Cao, Zhaodan
; APPLICANT: R gnier, Catherine
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/890,854
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: T97-006-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-032-476-4

Query Match 87.8%; Score 36; DB 3; Length 745;
Best Local Similarity 83.3%; Pred. No. 6.1e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 LDWEWL 6
Db 738 LDWSWL 743
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; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-C8-890-854-4

Query Match 87.8%; Score 36; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.1e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
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Db 738 LDWSWL 743

## RESULT 12

US-09-023-324-4  
; Sequence 4, Application US/09023324  
; Patent No. 6235513

; GENERAL INFORMATION:  
; APPLICANT: Rothe, Mike  
; APPLICANT: Cao, Zhaodan  
; APPLICANT: R gnier, Catherine  
; TITLE OF INVENTION: IKK- Proteins, Nucleic Acids and Methods  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP  
; STREET: 268 BUSH STREET, SUITE 3200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94104

; COMPUTER READABLE FORM:  
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; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/023.324

; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/890.854  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: OSMAN, RICHARD A  
; REGISTRATION NUMBER: 36,627  
; REFERENCE/DOCKET NUMBER: T97-006-1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 343-4341  
; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-023-324-4

Query Match 87.8%; Score 36; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.1e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
||| ||  
Db 738 LDWSWL 743

## RESULT 13

US-09-168-629-2

; Sequence 2, Application US/09168629  
; Patent No. 6242253

; GENERAL INFORMATION:  
; APPLICANT: Karin, Michael  
; APPLICANT: DiDonato, Joseph A.  
; APPLICANT: Rothwarf, David M.  
; APPLICANT: Hayakawa, Makio  
; APPLICANT: Zandi, Ebrahim  
; TITLE OF INVENTION: IKB Kinase, Subunits Thereof, and Methods of Using Same  
; FILE REFERENCE: P-UD 3295  
; CURRENT APPLICATION NUMBER: US/09/168,629  
; CURRENT FILING DATE: 1998-10-08  
; EARLIER APPLICATION NUMBER: 60/061,470  
; EARLIER FILING DATE: 1997-10-09  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 745  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-168-629-2

Query Match 87.8%; Score 36; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.1e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
||| ||  
Db 738 LDWSWL 743

## RESULT 14

US-08-910-820-10  
; Sequence 10, Application US/08910820  
; Patent No. 6258579

; GENERAL INFORMATION:  
; APPLICANT: Mercurio, Frank  
; APPLICANT: Zhu, Hengyi  
; APPLICANT: Barbosa, Miguel  
; APPLICANT: Li, Gian  
; APPLICANT: Murray, Brion W.  
; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE  
; TITLE OF INVENTION: COMPLEX AND METHODS OF USE THEREFOR  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEED and BERRY LLP  
; STREET: 6300 Columbia Center, 701 Fifth Avenue  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: USA  
; ZIP: 98104

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/910,820  
; FILING DATE: 12-AUG-1997  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maki, David J.  
; REGISTRATION NUMBER: 31,392  
; REFERENCE/DOCKET NUMBER: 860098.413C1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 622-4900  
; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear

US-08-910-820-10

Query Match 87.8%; Score 36; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.1e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
DB 738 LDWSWL 743

RESULT 15

US-08-810-131A-2  
; Sequence 2, Application US/08810131A  
; Patent No. 6268194  
; GENERAL INFORMATION:  
; APPLICANT: Karin, Michael  
; APPLICANT: DiDonato, Joseph A.  
; APPLICANT: Rothwarf, David M.  
; APPLICANT: Hayakawa, Makio  
; APPLICANT: Zandi, Ebrahim  
; TITLE OF INVENTION: I-kappa-B Kinase and Methods of Using  
; TITLE OF INVENTION: Same  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Campbell & Flores LLP  
; STREET: 4370 La Jolla Village Drive, Suite 700  
; CITY: San Diego  
; STATE: California  
; COUNTRY: United States  
; ZIP: 92122  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/810,131A  
; FILING DATE: 25-FEB-1997  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Campbell, Cathryn A.  
; REGISTRATION NUMBER: 31,815  
; REFERENCE/DOCKET NUMBER: P-UD 2408  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 535-9001  
; TELEFAX: (619) 535-8949  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 745 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-810-131A-2

Query Match 87.8%; Score 36; DB 3; Length 745;  
Best Local Similarity 83.3%; Pred. No. 6.1e+02;  
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LDWEWL 6  
DB 738 LDWSWL 743

Search completed: September 23, 2004, 21:27:37  
Job time : 9.75 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model  
Run on: September 23, 2004, 21:20:24 ; Search time 32.7237 Seconds  
(without alignments)  
58.959 Million cell updates/sec

Title: US-09-643-260-17

Sequence: 1 LDWEWL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 32158718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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- 3: /cgn2\_6/ptodata/2/pubppa/US06\_NEW\_PUB.pcp.\*
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- 9: /cgn2\_6/ptodata/2/pubppa/US09A\_PUBCOMB.pcp.\*
- 10: /cgn2\_6/ptodata/2/pubppa/US09B\_PUBCOMB.pcp.\*
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- 15: /cgn2\_6/ptodata/2/pubppa/US10C\_PUBCOMB.pcp.\*
- 16: /cgn2\_6/ptodata/2/pubppa/US10\_NEW\_PUB.pcp.\*
- 17: /cgn2\_6/ptodata/2/pubppa/US60\_NEW\_PUB.pcp.\*
- 18: /cgn2\_6/ptodata/2/pubppa/US60\_PUBCOMB.pcp.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	100.0	6	9	US-09-847-940B-17
2	41	100.0	6	10	US-09-847-946A-17
3	41	100.0	6	10	US-09-847-946A-45
4	41	100.0	6	10	US-09-847-946A-117
5	41	100.0	7	10	US-09-847-946A-121
6	41	100.0	8	10	US-09-847-946A-114
7	41	100.0	8	10	US-09-847-946A-112
8	41	100.0	9	10	US-09-847-946A-113
9	41	100.0	9	10	US-09-847-946A-116
10	41	100.0	9	10	US-09-847-946A-119
11	41	100.0	9	10	US-09-847-946A-120
12	41	100.0	10	10	US-09-847-946A-115
13	41	100.0	10	10	US-09-847-946A-118
14	41	100.0	11	10	US-09-847-946A-112
15	39	95.1	85	12	US-10-424-599-153703

16	39	95.1	471	15	US-10-369-493-12414	Sequence 12414, A
17	38	92.7	53	16	US-10-437-963-138133	Sequence 138133, A
18	38	92.7	1102	12	US-10-282-122A-67640	Sequence 67640, A
19	37	90.2	20	10	US-09-962-756-939	Sequence 939, App
20	37	90.2	20	15	US-10-253-471-939	Sequence 939, App
21	37	90.2	20	16	US-10-253-493-939	Sequence 939, App
22	37	90.2	70	9	US-09-864-761-46514	Sequence 46514, A
23	37	90.2	117	12	US-10-424-599-178905	Sequence 178905, A
24	37	90.2	164	12	US-10-282-122A-59194	Sequence 59194, A
25	37	90.2	219	15	US-10-369-493-19572	Sequence 19572, A
26	37	90.2	259	15	US-10-369-493-22800	Sequence 22800, A
27	37	90.2	261	12	US-10-282-122A-47592	Sequence 47592, A
28	37	90.2	279	12	US-10-282-122A-49240	Sequence 49240, A
29	37	90.2	280	15	US-10-369-493-3354	Sequence 3354, App
30	37	90.2	287	12	US-10-282-122A-50741	Sequence 50741, A
31	37	90.2	296	12	US-10-282-122A-50589	Sequence 50589, A
32	37	90.2	304	12	US-10-282-122A-51333	Sequence 51333, A
33	37	90.2	313	12	US-10-282-122A-67589	Sequence 67589, A
34	37	90.2	318	12	US-10-282-122A-78151	Sequence 78151, A
35	37	90.2	331	12	US-10-282-122A-66270	Sequence 66270, A
36	37	90.2	331	12	US-10-389-647-412	Sequence 412, App
37	37	90.2	354	14	US-10-166-087-6	Sequence 6, Appli
38	37	90.2	462	15	US-10-369-493-8244	Sequence 8244, App
39	37	90.2	692	12	US-09-758-759-79	Sequence 79, Appl
40	37	90.2	1137	12	US-10-282-122A-59975	Sequence 59975, A
41	36	87.8	6	9	US-09-847-940B-2	Sequence 2, Appli
42	36	87.8	6	10	US-09-847-946A-2	Sequence 2, Appli
43	36	87.8	6	10	US-09-847-946A-33	Sequence 33, Appl
44	36	87.8	7	10	US-09-847-946A-37	Sequence 37, Appl
45	36	87.8	8	10	US-09-847-946A-30	Sequence 30, Appl

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-17  
; Sequence 17, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 17  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants  
US-09-847-940B-17

Query Match 100.0%; Score 41; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
| | | | |  
Db 1 LDWEWL 6

RESULT 2  
US-09-847-946A-17  
; Sequence 17, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

```
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-17
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Query Match 100.0%; Score 41; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 LDWEWL 6
Db 1 LDWEWL 6
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RESULT 3
US-09-847-946A-45
; Sequence 45, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-45
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Query Match 100.0%; Score 41; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 LDWEWL 6
Db 1 LDWEWL 6
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RESULT 4
US-09-847-946A-117
; Sequence 117, Application US/09847946A
; Publication No. US20030054999A1
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; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 117
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-117
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Query Match 100.0%; Score 41; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 LDWEWL 6
Db 1 LDWEWL 6
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RESULT 5
US-09-847-946A-121
; Sequence 121, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 121
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-121
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Query Match 100.0%; Score 41; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 LDWEWL 6
Db 1 LDWEWL 6
```

```
RESULT 6
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US-09-847-946A-114  
; Sequence 114, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 114  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-114

Query Match 100.0%; Score 41; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
Db 3 LDWEWL 8

RESULT 7  
US-09-847-946A-122  
; Sequence 122, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 122  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-122

Query Match 100.0%; Score 41; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
Db 1 LDWEWL 6

RESULT 8  
US-09-847-946A-113  
; Sequence 113, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 113  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-113

Query Match 100.0%; Score 41; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
Db 1 LDWEWL 6

RESULT 9  
US-09-847-946A-116  
; Sequence 116, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 116  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-116

Query Match 100.0%; Score 41; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
| | | | |  
Db 1 LDWEWL 6

## RESULT 10

US-09-847-946A-119  
; Sequence 119, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 119  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-119

Query Match 100.0%; Score 41; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
| | | | |  
Db 3 LDWEWL 8

## RESULT 11

US-09-847-946A-120  
; Sequence 120, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 120  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-120

Query Match 100.0%; Score 41; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
| | | | |  
Db 2 LDWEWL 7

## RESULT 12

US-09-847-946A-115  
; Sequence 115, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 115  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-115

Query Match 100.0%; Score 41; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
| | | | |  
Db 2 LDWEWL 7

## RESULT 13

US-09-847-946A-118  
; Sequence 118, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 118  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-118

US-09-847-946A-118

Query Match 100.0%; Score 41; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 22;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
Db 3 LDWEWL 8

RESULT 14

US-09-847-946A-112  
; Sequence 112, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 112  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-112

Query Match 100.0%; Score 41; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 24;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDWEWL 6  
Db 3 LDWEWL 8

RESULT 15

US-10-424-599-153703  
; Sequence 153703, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 153703  
; LENGTH: 85  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_109817C.1.pap  
US-10-424-599-153703

Query Match 95.1%; Score 39; DB 12; Length 85;

Best Local Similarity 83.3%; Pred. No. 2.2e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 LDWEWL 6  
Db 80 LDWEWI 85

Search completed: September 23, 2004, 22:47:15  
Job time : 33.7237 secs

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/419,826
; FILING DATE: 14-OCT-1999
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US98/07711
; FILING DATE: 14-APR-1998
; APPLICATION NUMBER: US 60/043,545
; FILING DATE: 14-APR-1997
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 19
; OTHER INFORMATION: /note= "X = Phosphotyrosine"
;
US-09-419-826-34

Query Match 58.6%; Score 95; DB 4; Length 24;
Best Local Similarity 85.0%; Pred. No. 2.8e-06;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 RQIKWIFQNRRMKWKKTALD 21
  |||||
Db 1 RQIKWIFQNRRMKWKPLXD 20
  |||||

RESULT 5
US-09-040-725A-2
; Sequence 2, Application US/09040725A
; Patent No. 6399584
; GENERAL INFORMATION:
; APPLICANT: Institut Curie
; APPLICANT: CNRS
; APPLICANT: Arpin, Monique
; APPLICANT: Crepaldi, Tiziana
; APPLICANT: Gautreau, Alexis
; APPLICANT: Louvard, Daniel
; TITLE OF INVENTION: Pharmaceutical composition containing ezrin mutated
; TITLE OF INVENTION: on tyrosine 353
; FILE REFERENCE: 391082000100
; CURRENT APPLICATION NUMBER: US/09/040,725A
; CURRENT FILING DATE: 1998-03-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variation
; LOCATION: (22)
; OTHER INFORMATION: Xaa = tyrosine or a phosphorylated tyrosine
;
US-09-040-725A-2

Query Match 58.0%; Score 94; DB 4; Length 27;
Best Local Similarity 89.5%; Pred. No. 4.2e-06;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 RQIKWIFQNRRMKWKKTAL 20
  |||||
Db 1 RQIKWIFQNRRMKWKRL 19
  |||||

RESULT 6
US-08-202-044-3
; Sequence 3, Application US/08202044
; Patent No. 5858973

```

GENERAL INFORMATION:  
APPLICANT: Habener M.D., Joel F.  
APPLICANT: Miller Ph.D., Christopher P.  
TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES  
TITLE OF INVENTION: THEREFOR  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes  
STREET: Ten Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/202,044  
FILING DATE: 23-FEB-1994  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Williams Ph.D., Kathleen A.  
REGISTRATION NUMBER: 34,380  
REFERENCE/DOCKET NUMBER: MGH-124XX  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 542-2290  
TELEFAX: (617) 451-0313  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 61 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-08-202-044-3

Query Match 58.0%; Score 94; DB 2; Length 61;  
Best Local Similarity 94.1%; Pred. No. 9.9e-06;  
Matches 16; Conservative 1; Mismatches 0; Indels 0;

Qy 1 DRQIKWFOQRMRMKWK 17  
Db 43 ERQIKWFOQRMRMKWK 59

RESULT 7  
US-08-751-344B-3  
Sequence 3, Application US/08751344B  
Patent No. 6210960  
GENERAL INFORMATION:  
APPLICANT: Habener M.D., Joel F.  
APPLICANT: Miller Ph.D., Christopher P.  
TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES  
TITLE OF INVENTION: THEREFOR  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner & Witcoff, Ltd.  
STREET: One Financial Center  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/751,344B

FILING DATE: 19-No. 6210960-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/202,044  
FILING DATE: 23-Feb-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Williams Ph.D., Kathleen M.  
REGISTRATION NUMBER: 34,380  
REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 345-9100  
TELEFAX: (617) 345-9111  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 61 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-08-751-344B-3

Query Match 58.0%; Score 94; DB 3; Length 61;  
Best Local Similarity 94.1%; Pred. No. 9.9e-06;  
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DRQIKWFOQRMRMKWK 17  
Db 43 ERQIKWFOQRMRMKWK 59

RESULT 8  
US-08-751-344B-6  
Sequence 6, Application US/08751344B  
Patent No. 6210960  
GENERAL INFORMATION:  
APPLICANT: Habener M.D., Joel F.  
APPLICANT: Miller Ph.D., Christopher P.  
TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES  
TITLE OF INVENTION: THEREFOR  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner & Witcoff, Ltd.  
STREET: One Financial Center  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/751,344B  
FILING DATE: 19-No. 6210960-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/202,044  
FILING DATE: 23-Feb-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Williams Ph.D., Kathleen M.  
REGISTRATION NUMBER: 34,380  
REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 345-9100  
TELEFAX: (617) 345-9111  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 61 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO

```
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-08-751-344B-6

Query Match      58.0%; Score 94; DB 3; Length 61;
Best Local Similarity 94.1%; Pred. No. 9.9e-06;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKIWFQNRMRMKWK 17
Db 43 ERQIKIWFQNRMRMKWK 59

RESULT 9
US-08-751-344B-9
; Sequence 9, Application US/08751344B
; Patent No. 6210960
; GENERAL INFORMATION:
; APPLICANT: Habener M.D., Joel F.
; TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: One Financial Center
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/751,344B
; FILING DATE: 19-No. 6210960-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/202,044
; FILING DATE: 23-Feb-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams Ph.D., Kathleen M.
; REGISTRATION NUMBER: 34,380
; REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 345-9100
; TELEFAX: (617) 345-9111
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 61 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-08-751-344B-9

Query Match      58.0%; Score 94; DB 3; Length 61;
Best Local Similarity 94.1%; Pred. No. 9.9e-06;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKIWFQNRMRMKWK 17
Db 43 ERQIKIWFQNRMRMKWK 59

RESULT 10
US-09-057-363C-50
; Sequence 50, Application US/09057363C
; Patent No. 6551994
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; GOUR, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR INHIBITING THE
; INTERACTION BETWEEN ALPHA-CATENIN AND BETA-CATENIN
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/057,363C
; FILING DATE: 08-Apr-1998
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Christiansen, William T.
; REGISTRATION NUMBER: 44,614
; REFERENCE/DOCKET NUMBER: 100086.406
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 50:
US-09-057-363C-50

Query Match      57.4%; Score 93; DB 4; Length 22;
Best Local Similarity 94.1%; Pred. No. 4.6e-06;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKIWFQNRMRMKWK 17
Db 6 NRQIKIWFQNRMRMKWK 22

RESULT 11
US-09-265-107-50
; Sequence 50, Application US/09265107A
; Patent No. 6683048
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; GOUR, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR STIMULATING
; GENE EXPRESSION AND CELLULAR DIFFERENTIATION
; FILE REFERENCE: 100086.406C1
; CURRENT APPLICATION NUMBER: US/09/265,107A
; CURRENT FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 50
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modulating agent comprising beta-catenin HAV motif
; and a covalently linked Antennapedia
; OTHER INFORMATION: internalization sequence
US-09-265-107-50

Query Match      57.4%; Score 93; DB 4; Length 22;
Best Local Similarity 94.1%; Pred. No. 4.6e-06;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 DRQIKWFQNRMRMKWK 17  
:|||||:|||||:|  
Db 6 NRQIKWFQNRMRMKWK 22

## RESULT 12

US-09-051-934-51  
; Sequence 51, Application US/09051934C  
; Patent No. 6028053  
; GENERAL INFORMATION:  
; APPLICANT: Van der Geer  
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/09/051,934C  
; EARLIER FILING DATE: 1998-04-22  
; EARLIER APPLICATION NUMBER: 60/011,799  
; EARLIER FILING DATE: 1996-02-20  
; EARLIER APPLICATION NUMBER: 60/010,384  
; EARLIER FILING DATE: 1996-01-22  
; EARLIER APPLICATION NUMBER: 60/005,944  
; EARLIER FILING DATE: 1995-10-27  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 51  
; LENGTH: 27  
; TYPE: PRT  
; ORGANISM: phosphotyrosine binding domain  
US-09-051-934-51

Query Match 57.4%; Score 93; DB 3; Length 27;  
Best Local Similarity 80.0%; Pred. No. 5.7e-06;  
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 ROIKIWFQNRMRMKKTALD 21  
:|||||:|||||:|  
Db 1 ROIKIWFQNRMRMKKHIE 20

## RESULT 13

US-09-051-934-52  
; Sequence 52, Application US/09051934C  
; Patent No. 6028053  
; GENERAL INFORMATION:  
; APPLICANT: Van der Geer  
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/09/051,934C  
; EARLIER FILING DATE: 1998-04-22  
; EARLIER APPLICATION NUMBER: 60/011,799  
; EARLIER FILING DATE: 1996-02-20  
; EARLIER APPLICATION NUMBER: 60/010,384  
; EARLIER FILING DATE: 1996-01-22  
; EARLIER APPLICATION NUMBER: 60/005,944  
; EARLIER FILING DATE: 1995-10-27  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 52  
; LENGTH: 27  
; TYPE: PRT  
; ORGANISM: phosphotyrosine binding domain  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (24)  
; OTHER INFORMATION: Phosphorylated at Tyr  
US-09-051-934-52

Query Match 57.4%; Score 93; DB 3; Length 27;  
Best Local Similarity 80.0%; Pred. No. 5.7e-06;  
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 ROIKIWFQNRMRMKKTALD 21  
:|||||:|||||:|  
Db 1 ROIKIWFQNRMRMKKHIE 20

## RESULT 14

US-08-751-344B-7  
; Sequence 7, Application US/08751344B  
; Patent No. 6210960  
; GENERAL INFORMATION:  
; APPLICANT: Habener M.D., Joel F.  
; APPLICANT: Miller Ph.D., Christopher P.  
; TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES  
; TITLE OF INVENTION: THEREFOR  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner & Witcoff, Ltd.  
; STREET: One Financial Center  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WordPerfect 6.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/751,344B  
; FILING DATE: 19-NO. 6210960-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/202,044  
; FILING DATE: 23-Feb-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Williams Ph.D., Kathleen M.  
; REGISTRATION NUMBER: 34,380  
; REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 345-9100  
; TELEFAX: (617) 345-9111  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 61 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-08-751-344B-7

Query Match 57.4%; Score 93; DB 3; Length 61;  
Best Local Similarity 88.2%; Pred. No. 1.3e-05;  
Matches 15; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKWFQNRMRMKWK 17  
:|||||:|||||:|  
Db 43 ERQVKIWFQNRMRMKWK 59

## RESULT 15

US-08-928-958-7  
; Sequence 7, Application US/08928958  
; Patent No. 5877282  
; GENERAL INFORMATION:  
; APPLICANT: NADLER, STEVEN G.  
; APPLICANT: CLEAVELAND, JEFFREY S.  
; APPLICANT: BLAKE, JAMES  
; APPLICANT: HAFAR, OMAR K.  
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF NUCLEAR PROTEIN  
; TITLE OF INVENTION: TRANSLLOCATION HAVING NUCLEAR LOCALIZATION SEQUENCES AND  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; NUMBER OF SEQUENCES: 24

Fri Sep 24 07:51:20 2004

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: ROBINS & ASSOCIATES
STREET: 90 MIDDLEFIELD ROAD, SUITE 200
CITY: MENLO PARK
STATE: CA
COUNTRY: USA
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,958
FILING DATE: 12-SEP-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/026978
FILING DATE: 20-SEP-1996
ATTORNEY/AGENT INFORMATION:
NAME: ROBINS, ROBERTA L.
REGISTRATION NUMBER: 33,208
REFERENCE/DOCKET NUMBER: 5998-0019
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 325-7812
TELEFAX: (650) 325-7823
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-928-958-7
Query Match 56.8%; Score 92; DB 2; Length 16;
Best Local Similarity 100.0%; Pred. No. 4.5e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      2 RQIKWIFQNRMRKWK 17
      |||||
Db      1 RQIKWIFQNRMRKWK 16

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Search completed: September 23, 2004, 21:27:38  
Job time : 46.5 secs



RESULT 4  
US-09-847-940B-19  
; Sequence 19, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847-940B

RESULT 6  
US-09-847-946A-131  
; Sequence 131, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02



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; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 131
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
; OTHER INFORMATION: Sequence:anti-inflammatory compound
US-09-847-946A-131

Query Match          64.8%; Score 105; DB 10; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.5e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RRMKWKKTALDWSLQTE 28
Db 1 RRMKWKKTALDWSLQTE 18

RESULT 7
US-09-731-023A-12
; Sequence 12, Application US/09731023A
; Patent No. US20020077283A1
; GENERAL INFORMATION:
; APPLICANT: Sessa, William
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics
; FILE REFERENCE: 44574-5076-US
; CURRENT APPLICATION NUMBER: US/09/731,023A
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/231,327
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Antennapedia-cav-X fusion peptide
US-09-731-023A-12

Query Match          62.3%; Score 101; DB 9; Length 36;
Best Local Similarity 69.2%; Pred. No. 2e-05;
Matches 18; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 2 RQIKWQNRRMKWKKKTALDWSLQQT 27
Db 1 RQIKWQNRRMKWKKKGIDKAFETT 26

RESULT 8
US-10-358-365-12
; Sequence 12, Application US/10358365
; Publication No. US20030165510A1
; GENERAL INFORMATION:
; APPLICANT: Sessa, William
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics
; FILE REFERENCE: 44574-5076-US
; CURRENT APPLICATION NUMBER: US/10/358,365
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: US 09/731,023
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/231,327
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
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; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Antennapedia-cav-X fusion peptide
US-10-358-365-12

Query Match          62.3%; Score 101; DB 14; Length 36;
Best Local Similarity 69.2%; Pred. No. 2e-05;
Matches 18; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 2 RQIKWQNRRMKWKKKTALDWSLQQT 27
Db 1 RQIKWQNRRMKWKKKGIDKAFETT 26

RESULT 9
US-10-602-303-3
; Sequence 3, Application US/10602303
; Publication No. US20040058021A1
; GENERAL INFORMATION:
; APPLICANT: Aggarwal, Bharat
; TITLE OF INVENTION: Treatment of Human Multiple Myeloma by Curcumin
; FILE REFERENCE: D6467
; CURRENT APPLICATION NUMBER: US/10/602,303
; CURRENT FILING DATE: 2003-06-24
; PRIOR APPLICATION NUMBER: US 60/390,926
; PRIOR FILING DATE: 2002-06-24
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 3
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: PEPTIDE
; OTHER INFORMATION: Control peptide for cell-permeable NEMO
US-10-602-303-3

Query Match          60.5%; Score 98; DB 12; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.4e-05;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKWQNRRMKWKK 17
Db 1 DRQIKWQNRRMKWKK 17

RESULT 10
US-10-229-915-1
; Sequence 1, Application US/10229915
; Publication No. US20030083262A1
; GENERAL INFORMATION:
; APPLICANT: Lazarus, Douglas
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING INFLAMMATORY
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: PPI-127
; CURRENT APPLICATION NUMBER: US/10/229,915
; CURRENT FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: US 60/316,328
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: anti-inflammatory compound
US-10-229-915-1

Query Match          60.5%; Score 98; DB 14; Length 17;
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Best Local Similarity 100.0%; Pred. No. 2.4e-05;  
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKWFQNRMRKWK 17  
Db 1 DRQIKWFQNRMRKWK 17

RESULT 11  
US-10-161-499-79  
; Sequence 79, Application US/10161499  
; Publication No. US20030044427A1  
; GENERAL INFORMATION:  
; APPLICANT: Howley, Peter M.  
; APPLICANT: Benson, John  
; APPLICANT: Kasukawa, Hiroaki  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING  
; FILE REFERENCE: HMV-041.01  
; CURRENT APPLICATION NUMBER: US/10/161,499  
; CURRENT FILING DATE: 2002-06-03  
; PRIOR APPLICATION NUMBER: US/09/347,504  
; PRIOR FILING DATE: 1999-07-02  
; NUMBER OF SEQ ID NOS: 79  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 79  
; LENGTH: 34  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-161-499-79

Query Match 59.9%; Score 97; DB 14; Length 34;  
Best Local Similarity 64.3%; Pred. No. 5.9e-05;  
Matches 18; Conservative 3; Mismatches 5; Indels 2; Gaps 1;

QY 1 DRQIKWFQNRMRKWKKTALDWSLQTE 28  
Db 1 ERQIKWFQNRMRKWKKG--WKHMRLE 26

RESULT 12  
US-10-097-175-101  
; Sequence 101, Application US/10097175  
; Publication No. US20030045680A1  
; GENERAL INFORMATION:  
; APPLICANT: JOYAL, JOHN L.  
; APPLICANT: MOELLER, JOHN  
; APPLICANT: OZA, VIBHA B.  
; TITLE OF INVENTION: PEPTIDIC MODULATORS OF THE ANDROGEN RECEPTOR  
; FILE REFERENCE: PPI-110  
; CURRENT APPLICATION NUMBER: US/10/097,175  
; CURRENT FILING DATE: 2002-03-12  
; PRIOR APPLICATION NUMBER: 60/275,240  
; PRIOR FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: 60/352,399  
; PRIOR FILING DATE: 2002-01-28  
; NUMBER OF SEQ ID NOS: 102  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 101  
; LENGTH: 26  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Androgen Receptor Binding Polypeptides  
US-10-097-175-101

Query Match 59.3%; Score 96; DB 14; Length 26;  
Best Local Similarity 77.3%; Pred. No. 6.1e-05;  
Matches 17; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 ROIKWFQNRMRKWKKTALDWS 23

Db 1 ROIKWFQNRMRKWKKTIES 22

RESULT 13  
US-08-610-220A-11  
; Sequence 11, Application US/08610220A  
; Publication No. US20030099638A1  
; GENERAL INFORMATION:  
; APPLICANT: Troy, Carol M.  
; TITLE OF INVENTION: COMPOUNDS WHICH PREVENT NEURONAL CELL  
; DEATH AND USES THEREOF  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/610,220A  
; FILING DATE: MAR-04-1996  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION/DOCKET NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 48332/JPW/JML  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-278-0400  
; TELEFAX: 212-391-0525  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 21 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-610-220A-11

Query Match 58.6%; Score 95; DB 8; Length 21;  
Best Local Similarity 94.4%; Pred. No. 6.7e-05;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 ROIKWFQNRMRKWKKT 19  
Db 1 ROIKWFQNRMRKWKQA 18

RESULT 14  
US-09-150-623-11  
; Sequence 11, Application US/09150623  
; Patent No. US20020044931A1  
; GENERAL INFORMATION:  
; APPLICANT: Troy, Carol M.  
; TITLE OF INVENTION: COMPOUNDS WHICH PREVENT NEURONAL CELL  
; DEATH AND USES THEREOF  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/150,623  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/610,220  
FILING DATE: MAR-04-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P.  
REGISTRATION NUMBER: 28,678  
REFERENCE/DOCKET NUMBER: 48332/JPW/JML  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-278-0400  
TELEFAX: 212-391-0525  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 21 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-150-623-11

Query Match 58.6%; Score 95; DB 9; Length 21;  
Best Local Similarity 94.4%; Pred. No. 6.7e-05;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 RQIKWIFQNRMRMKWTKTA 19  
|||  
DB 1 RQIKWIFQNRMRMKWTKQA 18

RESULT 15  
US-10-755-082-15  
Sequence 15, Application US/10755082  
Publication No. US20040176282A1  
GENERAL INFORMATION:  
APPLICANT: Dalby, Brian  
APPLICANT: Bennet, Robert P.  
TITLE OF INVENTION: Cellular Delivery and Activation of Polypeptide-Nucleic Acid  
TITLE OF INVENTION: Complexes  
FILE REFERENCE: 38-03  
CURRENT APPLICATION NUMBER: US/10/755,082  
CURRENT FILING DATE: 2004-01-09  
PRIOR APPLICATION NUMBER: US 60/438,778  
PRIOR FILING DATE: 2003-01-09  
NUMBER OF SEQ ID NOS: 21  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 15  
LENGTH: 17  
TYPE: PPT  
ORGANISM: Artificial sequence  
FEATURE:  
OTHER INFORMATION: AntFF cellular delivery peptide  
US-10-755-082-15

Query Match 58.0%; Score 94; DB 16; Length 17;  
Best Local Similarity 94.1%; Pred. No. 7.4e-05;  
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKWIFQNRMRMKWKK 17  
|||  
DB 1 ERQIKWIFQNRMRMKWKK 17

Search completed: September 23, 2004, 22:47:16  
Job time : 153.711 secs

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RESULT 2
US-09-419-826-34
; Sequence 34, Application US/09419826
; Patent No. 6306832
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PEPTIDE ANTIESTROGEN COMPOSITIONS AND METHODS
; TITLE OF INVENTION: FOR TREATING BREAST CANCER
; NUMBER OF SEQUENCES: 39
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/419,826
; FILING DATE: 14-OCT-1999
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US98/07711
; FILING DATE: 14-APR-1998
; APPLICATION NUMBER: US 60/043,545
; FILING DATE: 14-APR-1997
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 19
; OTHER INFORMATION: /note= "X = Phosphotyrosine"
US-09-419-826-34

Query Match 64.2%; Score 95; DB 4; Length 24;
Best Local Similarity 85.0%; Pred. No. 1.3e-07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 ROIKWFOQRRMKWKKTALD 21
DB 1 ROIKWFOQRRMKWKKPLXD 20

RESULT 3
US-09-040-725A-2
; Sequence 2, Application US/09040725A
; Patent No. 6399584
; GENERAL INFORMATION:
; APPLICANT: Institut Curie
; APPLICANT: CNRS
; APPLICANT: Arpin, Monique
; APPLICANT: Crepaldi, Tiziana
; APPLICANT: Gautreau, Alexis
; APPLICANT: Louvard, Daniel
; TITLE OF INVENTION: Pharmaceutical composition containing ezrin mutated
; TITLE OF INVENTION: on tyrosine 353
; FILE REFERENCE: 39108200100
; CURRENT APPLICATION NUMBER: US/09/040,725A
; CURRENT FILING DATE: 1998-03-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variation
; LOCATION: (22)
; OTHER INFORMATION: Xaa = tyrosine or a phosphorylated tyrosine
US-09-040-725A-2

Query Match 64.2%; Score 95; DB 4; Length 27;
Best Local Similarity 66.7%; Pred. No. 1.5e-07;
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Matches 18; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 2 ROIKWFOQRRMKWKKTALDASALQTE 28
DB 1 ROIKWFOQRRMKWKKLRLQDXEETK 27

RESULT 4
US-09-347-504-79
; Sequence 79, Application US/09347504
; Patent No. 6399075
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041.01
; CURRENT APPLICATION NUMBER: US/09/347,504
; CURRENT FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 79
; LENGTH: 34
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-347-504-79

Query Match 63.5%; Score 94; DB 4; Length 34;
Best Local Similarity 94.1%; Pred. No. 2.7e-07;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DROIKWFOQRRMKWK 17
DB 1 ERQIKWFOQRRMKWK 17

RESULT 5
US-10-161-499-79
; Sequence 79, Application US/10161499
; Patent No. 6673354
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041.01
; CURRENT APPLICATION NUMBER: US/10/161,499
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: US/09/347,504
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 79
; LENGTH: 34
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-161-499-79

Query Match 63.5%; Score 94; DB 4; Length 34;
Best Local Similarity 94.1%; Pred. No. 2.7e-07;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DROIKWFOQRRMKWK 17
DB 1 ERQIKWFOQRRMKWK 17

RESULT 6
US-08-202-044-3
; Sequence 3, Application US/08202044
; Patent No. 5858973
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```

; GENERAL INFORMATION:
; APPLICANT: Habener M.D., Joel F.
; APPLICANT: Miller Ph.D., Christopher P.
; TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES
; TITLE OF INVENTION: THEREFOR
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
; STREET: Ten Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/202,044
; FILING DATE: 23-FEB-1994
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams Ph.D., Kathleen A.
; REGISTRATION NUMBER: 34,380
; REFERENCE/DOCKET NUMBER: MGH-124XX
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-2290
; TELEFAX: (617) 451-0313
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 61 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; US-08-202-044-3

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Query Match 63.5%; Score 94; DB 2; Length 61;
Best Local Similarity 94.1%; Pred. No. 5.1e-07;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 DROIKWFQNRMKKK 17
Db 43 ERQIKWFQNRMKKK 59

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RESULT 7
US-08-751-344B-3
; Sequence 3, Application US/08751344B
; Patent No. 6210960
; GENERAL INFORMATION:
; APPLICANT: Habener M.D., Joel F.
; APPLICANT: Miller Ph.D., Christopher P.
; TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES
; TITLE OF INVENTION: THEREFOR
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: One Financial Center
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/751,344B
; FILING DATE: 19-No. 6210960-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/202,044
; FILING DATE: 23-Feb-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams Ph.D., Kathleen M.
; REGISTRATION NUMBER: 34,380
; REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 345-9100
; TELEFAX: (617) 345-9111
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 61 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; APPLICATION NUMBER: US/08/751,344B

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; FILING DATE: 19-No. 6210960-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/202,044
; FILING DATE: 23-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams Ph.D., Kathleen M.
; REGISTRATION NUMBER: 34,380
; REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 345-9100
; TELEFAX: (617) 345-9111
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 61 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; US-08-751-344B-3

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Query Match 63.5%; Score 94; DB 3; Length 61;
Best Local Similarity 94.1%; Pred. No. 5.1e-07;
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 DROIKWFQNRMKKK 17
Db 43 ERQIKWFQNRMKKK 59

```

```

RESULT 8
US-08-751-344B-6
; Sequence 6, Application US/08751344B
; Patent No. 6210960
; GENERAL INFORMATION:
; APPLICANT: Habener M.D., Joel F.
; APPLICANT: Miller Ph.D., Christopher P.
; TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES
; TITLE OF INVENTION: THEREFOR
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: One Financial Center
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/751,344B
; FILING DATE: 19-No. 6210960-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/202,044
; FILING DATE: 23-Feb-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams Ph.D., Kathleen M.
; REGISTRATION NUMBER: 34,380
; REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 345-9100
; TELEFAX: (617) 345-9111
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 61 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO

```

ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-08-751-344B-6

Query Match 63.5%; Score 94; DB 3; Length 61;  
Best Local Similarity 94.1%; Pred. No. 5.1e-07;  
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKWIFQNRMRKWK 17  
Db 43 ERQIKWIFQNRMRKWK 59

## RESULT 9

US-08-751-344B-9  
Sequence 9, Application US/08751344B  
Patent No. 6210960  
GENERAL INFORMATION:  
APPLICANT: Habener M.D., Joel F.  
TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner & Witcoff, Ltd.  
STREET: One Financial Center  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WordPerfect 6.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/751,344B  
FILING DATE: 19-Nov. 6210960-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/202,044  
FILING DATE: 23-Feb-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Williams Ph.D., Kathleen M.  
REGISTRATION NUMBER: 34,380  
REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 345-9100  
TELEFAX: (617) 345-9111  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 61 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-08-751-344B-9

Query Match 63.5%; Score 94; DB 3; Length 61;  
Best Local Similarity 94.1%; Pred. No. 5.1e-07;  
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKWIFQNRMRKWK 17  
Db 43 ERQIKWIFQNRMRKWK 59

## RESULT 10

US-09-057-363C-50  
Sequence 50, Application US/09057363C  
Patent No. 6551994  
GENERAL INFORMATION:

APPLICANT: Blaschuk, Orest W.  
Gour, Barbara J.  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR INHIBITING THE INTERACTION BETWEEN ALPHA-CATENIN AND BETA-CATENIN  
NUMBER OF SEQUENCES: 73  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed Intellectual Property Law Group  
STREET: 701 Fifth Avenue, Suite 6300  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/057,363C  
FILING DATE: 08-Apr-1998  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Christiansen, William T.  
REGISTRATION NUMBER: 44,614  
REFERENCE/DOCKET NUMBER: 100086.406  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 50:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 amino acids  
TYPE: amino acid  
STRANDEDNESS: <Unknown>  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 50:  
US-09-057-363C-50

Query Match 62.8%; Score 93; DB 4; Length 22;  
Best Local Similarity 94.1%; Pred. No. 2.3e-07;  
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKWIFQNRMRKWK 17  
Db 6 NRQIKWIFQNRMRKWK 22

## RESULT 11

US-09-265-107-50  
Sequence 50, Application US/09265107A  
Patent No. 6683048  
GENERAL INFORMATION:  
APPLICANT: Blaschuk, Orest W.  
Gour, Barbara J.  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR STIMULATING GENE EXPRESSION AND CELLULAR DIFFERENTIATION  
FILE REFERENCE: 100086.406C1  
CURRENT APPLICATION NUMBER: US/09/265,107A  
CURRENT FILING DATE: 1999-03-09  
NUMBER OF SEQ ID NOS: 75  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 50  
LENGTH: 22  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Modulating agent comprising beta-catenin HAV motif and a covalently linked Antennapedia  
OTHER INFORMATION: internalization sequence  
US-09-265-107-50

Query Match 62.8%; Score 93; DB 4; Length 22;  
Best Local Similarity 94.1%; Pred. No. 2.3e-07;  
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;



Qy 1 DRQIKWFOQRMRKWK 17  
Db 6 NRQIKWFOQRMRKWK 22

RESULT 12  
US-09-051-934-51  
; Sequence 51, Application US/09051934C  
; Patent No. 6028053  
; GENERAL INFORMATION:  
; APPLICANT: Van der Geer  
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain  
; TITLE OF INVENTION: Containing Protein  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/09/051,934C  
; CURRENT FILING DATE: 1998-04-22  
; EARLIER APPLICATION NUMBER: 60/011,799  
; EARLIER FILING DATE: 1996-02-20  
; EARLIER APPLICATION NUMBER: 60/010,384  
; EARLIER FILING DATE: 1996-01-22  
; EARLIER APPLICATION NUMBER: 60/005,944  
; EARLIER FILING DATE: 1995-10-27  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 51  
; LENGTH: 27  
; TYPE: PRT  
; ORGANISM: phosphotyrosine binding domain  
US-09-051-934-51

Query Match 62.8%; Score 93; DB 3; Length 27;  
Best Local Similarity 80.0%; Pred. No. 2.9e-07;  
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 2 RQIKWFOQRMRKWK 21  
Db 1 RQIKWFOQRMRKWK 20

RESULT 13  
US-09-051-934-52  
; Sequence 52, Application US/09051934C  
; Patent No. 6028053  
; GENERAL INFORMATION:  
; APPLICANT: Van der Geer  
; TITLE OF INVENTION: Peptide Inhibitors of a Phosphotyrosine-Binding Domain  
; TITLE OF INVENTION: Containing Protein  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/09/051,934C  
; CURRENT FILING DATE: 1998-04-22  
; EARLIER APPLICATION NUMBER: 60/011,799  
; EARLIER FILING DATE: 1996-02-20  
; EARLIER APPLICATION NUMBER: 60/010,384  
; EARLIER FILING DATE: 1996-01-22  
; EARLIER APPLICATION NUMBER: 60/005,944  
; EARLIER FILING DATE: 1995-10-27  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 52  
; LENGTH: 27  
; TYPE: PRT  
; ORGANISM: phosphotyrosine binding domain  
; FEATURE:  
; NAME/KEY: MOD RES  
; LOCATION: (24)  
; OTHER INFORMATION: Phosphorylated at Tyr  
US-09-051-934-52

Query Match 62.8%; Score 93; DB 3; Length 27;  
Best Local Similarity 80.0%; Pred. No. 2.9e-07;  
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 2 RQIKWFOQRMRKWK 21  
Db 1 RQIKWFOQRMRKWK 20

RESULT 14  
US-08-751-344B-7  
; Sequence 7, Application US/08751344B  
; Patent No. 6210960  
; GENERAL INFORMATION:  
; APPLICANT: Habener M.D., Joel F.  
; APPLICANT: Miller Ph.D., Christopher P.  
; TITLE OF INVENTION: NOVEL TRANSCRIPTION FACTOR AND USES  
; TITLE OF INVENTION: THEREFOR  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner & Witcoff, Ltd.  
; STREET: One Financial Center  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02111  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Wordperfect 6.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/751,344B  
; FILING DATE: 19-No. 6210960-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/202,044  
; FILING DATE: 23-Feb-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Williams Ph.D., Kathleen M.  
; REGISTRATION NUMBER: 34,380  
; REFERENCE/DOCKET NUMBER: 96,137-A (11274/02148)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 345-9100  
; TELEFAX: (617) 345-9111  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 61 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: peptide  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; FRAGMENT TYPE: internal  
US-08-751-344B-7

Query Match 62.8%; Score 93; DB 3; Length 61;  
Best Local Similarity 88.2%; Pred. No. 7.1e-07;  
Matches 15; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DRQIKWFOQRMRKWK 17  
Db 43 ERQVKWFOQRMRKWK 59

RESULT 15  
US-08-928-958-7  
; Sequence 7, Application US/08928958  
; Patent No. 5877282  
; GENERAL INFORMATION:  
; APPLICANT: NADLER, STEVEN G.  
; APPLICANT: CLEVELAND, JEFFREY S.  
; APPLICANT: BLAKE, JAMES  
; APPLICANT: HAFAR, OMAR K.  
; TITLE OF INVENTION: PEPTIDE INHIBITORS OF NUCLEAR PROTEIN  
; TITLE OF INVENTION: TRANSLOCATION HAVING NUCLEAR LOCALIZATION SEQUENCES AND  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; NUMBER OF SEQUENCES: 24

;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: ROBINS & ASSOCIATES  
;; STREET: 90 MIDDLEFIELD ROAD, SUITE 200  
;; CITY: MENLO PARK  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 94025  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC Compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent in Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/928,958  
;; FILING DATE: 12-SEP-1997  
;; CLASSIFICATION: 514  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 60/026978  
;; FILING DATE: 20-SEP-1996  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: ROBINS, ROBERTA L.  
;; REGISTRATION NUMBER: 33,208  
;; REFERENCE/DOCKET NUMBER: 5998-0019  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (650) 325-7812  
;; TELEFAX: (650) 325-7823  
;; INFORMATION FOR SEQ ID NO: 7:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 16 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide  
US-08-928-958-7

Query Match 62.2%; Score 92; DB 2; Length 16;  
Best Local Similarity 100.0%; Pred. No. 2.3e-07;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 2 RQIKIWQNRRMKWKK 17  
| | | | | | | | | | | | | | | |  
Db 1 RQIKIWQNRRMKWKK 16

Search completed: September 23, 2004, 21:27:38  
Job time : 45.5 secs



APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 19  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-19

Query Match 100.0%; Score 148; DB 10; Length 28;  
Best Local Similarity 100.0%; Pred. No. 1.1e-13;  
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DRQIKWFOQRNRKMKKKTALDASALQTE 28  
|||  
DB 1 DRQIKWFOQRNRKMKKKTALDASALQTE 28

RESULT 3  
US-09-847-940B-18  
Sequence 18, Application US/09847940B  
Patent No. US20020156000A1  
GENERAL INFORMATION:  
APPLICANT: Ghosh, Sankar  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-117CP  
CURRENT APPLICATION NUMBER: US/09/847,940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 18  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NBD peptides  
US-09-847-940B-18

Query Match 90.5%; Score 134; DB 9; Length 28;  
Best Local Similarity 92.9%; Pred. No. 9.9e-12;  
Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 DRQIKWFOQRNRKMKKKTALDASALQTE 28  
|||  
DB 1 DRQIKWFOQRNRKMKKKTALDWSWLQTE 28

RESULT 4  
US-09-847-946A-18  
Sequence 18, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 19  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-18

TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 18  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-18

Query Match 90.5%; Score 134; DB 10; Length 28;  
Best Local Similarity 92.9%; Pred. No. 9.9e-12;  
Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 DRQIKWFOQRNRKMKKKTALDASALQTE 28  
|||  
DB 1 DRQIKWFOQRNRKMKKKTALDWSWLQTE 28

RESULT 5  
US-10-602-303-2  
Sequence 2, Application US/10602303  
Publication No. US20040058021A1  
GENERAL INFORMATION:  
APPLICANT: Aggarwal, Bharat  
TITLE OF INVENTION: Treatment of Human Multiple Myeloma by Curcumin  
FILE REFERENCE: D6467  
CURRENT APPLICATION NUMBER: US/10/602,303  
CURRENT FILING DATE: 2003-06-24  
PRIOR APPLICATION NUMBER: US 60/390,926  
PRIOR FILING DATE: 2002-06-24  
NUMBER OF SEQ ID NOS: 4  
SEQ ID NO 2  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Unknown  
FEATURE:  
NAME/KEY: PEPTIDE  
OTHER INFORMATION: Cell-permeable NEMO (NF-B essential modifier;  
OTHER INFORMATION: also called IKK()-binding domain peptide  
US-10-602-303-2

Query Match 90.5%; Score 134; DB 12; Length 28;  
Best Local Similarity 92.9%; Pred. No. 9.9e-12;  
Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 DRQIKWFOQRNRKMKKKTALDASALQTE 28  
|||  
DB 1 DRQIKWFOQRNRKMKKKTALDWSWLQTE 28

RESULT 6  
US-10-097-175-101  
Sequence 101, Application US/10097175  
Publication No. US20030045680A1  
GENERAL INFORMATION:  
APPLICANT: JOYAL, JOHN L.  
APPLICANT: MUELLER, JOHN  
APPLICANT: OZA, VIBHA B.  
APPLICANT: FINDEIS, MARK A.  
TITLE OF INVENTION: PEPTIDIC MODULATORS OF THE ANDROGEN RECEPTOR  
FILE REFERENCE: PPI-110  
CURRENT APPLICATION NUMBER: US/10/097,175  
CURRENT FILING DATE: 2002-03-12  
CURRENT APPLICATION NUMBER: 60/275,240

```
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: 60/352,399
; PRIOR FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Androgen Receptor Binding Polypeptides
US-10-097-175-101

Query Match          68.2%; Score 101; DB 14; Length 26;
Best Local Similarity 73.9%; Pred. No. 3.9e-07;
Matches 17; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY  2 RQIKWQNRRMKWKTALDASA 24
Db  1 RQIKWQNRRMKWKTALDASA 23

RESULT 7
US-09-731-023A-12
; Sequence 12, Application US/09731023A
; Patent No. US20020077283A1
; GENERAL INFORMATION:
; APPLICANT: Sessa, William
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics
; FILE REFERENCE: 44574-5076-US
; CURRENT APPLICATION NUMBER: US/09/731,023A
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/231,327
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Antennapedia-cav-X fusion peptide
US-09-731-023A-12

Query Match          67.6%; Score 100; DB 9; Length 36;
Best Local Similarity 69.2%; Pred. No. 7.5e-07;
Matches 18; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY  2 RQIKWQNRRMKWKTALDASA 27
Db  1 RQIKWQNRRMKWKTALDASA 26

RESULT 8
US-10-358-365-12
; Sequence 12, Application US/10358365
; Publication No. US20030165510A1
; GENERAL INFORMATION:
; APPLICANT: Sessa, William
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics
; FILE REFERENCE: 44574-5076-US
; CURRENT APPLICATION NUMBER: US/10/358,365
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: US 09/731,023
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/231,327
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 36
; TYPE: PRT
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Antennapedia-cav-X fusion peptide
US-10-358-365-12

Query Match          67.6%; Score 100; DB 14; Length 36;
Best Local Similarity 69.2%; Pred. No. 7.5e-07;
Matches 18; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY  2 RQIKWQNRRMKWKTALDASA 27
Db  1 RQIKWQNRRMKWKTALDASA 26

RESULT 9
US-10-602-303-3
; Sequence 3, Application US/10602303
; Publication No. US20040058021A1
; GENERAL INFORMATION:
; APPLICANT: Aggarwal, Bharat
; TITLE OF INVENTION: Treatment of Human Multiple Myeloma by Curcumin
; FILE REFERENCE: D6467
; CURRENT APPLICATION NUMBER: US/10/602,303
; CURRENT FILING DATE: 2003-06-24
; PRIOR APPLICATION NUMBER: US 60/390,926
; PRIOR FILING DATE: 2002-06-24
; NUMBER OF SEQ ID NOS: 4
; SEQ ID NO 3
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: PEPTIDE
; OTHER INFORMATION: Control peptide for cell-permeable NEMO
US-10-602-303-3

Query Match          66.2%; Score 98; DB 12; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.8e-07;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY  1 DRQIKWQNRRMKWKK 17
Db  1 DRQIKWQNRRMKWKK 17

RESULT 10
US-10-229-915-1
; Sequence 1, Application US/10229915
; Publication No. US20030083262A1
; GENERAL INFORMATION:
; APPLICANT: Lazarus, Douglas
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING INFLAMMATORY
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: PPI-127
; CURRENT APPLICATION NUMBER: US/10/229,915
; CURRENT FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: US 60/316,328
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: anti-inflammatory compound
US-10-229-915-1

Query Match          66.2%; Score 98; DB 14; Length 17;
Best Local Similarity 100.0%; Pred. No. 6.8e-07;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 DQIKWFQNRMRMKK 17  
DB 1 DQIKWFQNRMRMKK 17

## RESULT 11

US-08-610-220A-11  
; Sequence 11, Application US/08610220A  
; Publication No. US20030099638A1  
; GENERAL INFORMATION:  
; APPLICANT: TROY, Carol M.  
; TITLE OF INVENTION: COMPOUNDS WHICH PREVENT NEURONAL CELL  
; TITLE OF INVENTION: DEATH AND USES THEREOF  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/610,220A  
; FILING DATE: MAR-04-1996  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 48332/JPM/JML  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-278-0400  
; TELEFAX: 212-391-0525  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 21 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-610-220A-11

Query Match 64.2%; Score 95; DB 8; Length 21;  
Best Local Similarity 94.4%; Pred. No. 2.2e-06;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 RQIKWFQNRMRMKKTA 19  
DB 1 RQIKWFQNRMRMKKQA 18

## RESULT 12

US-09-150-623-11  
; Sequence 11, Application US/09150623  
; Patent No. US2002004493A1  
; GENERAL INFORMATION:  
; APPLICANT: TROY, Carol M.  
; TITLE OF INVENTION: COMPOUNDS WHICH PREVENT NEURONAL CELL  
; TITLE OF INVENTION: DEATH AND USES THEREOF  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036  
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/150,623  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/610,220  
; FILING DATE: MAR-04-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 48332/JPM/JML  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-278-0400  
; TELEFAX: 212-391-0525  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 21 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-09-150-623-11

Query Match 64.2%; Score 95; DB 9; Length 21;  
Best Local Similarity 94.4%; Pred. No. 2.2e-06;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 RQIKWFQNRMRMKKTA 19  
DB 1 RQIKWFQNRMRMKKQA 18

## RESULT 13

US-10-188-947-11  
; Sequence 11, Application US/10188947  
; Publication No. US20030023993A1  
; GENERAL INFORMATION:  
; APPLICANT: MEDHITOV, Ruslan  
; APPLICANT: HORNG, Tiffany  
; APPLICANT: BARTON, Gregory  
; TITLE OF INVENTION: TOLL/INTERLEUKIN-1 RECEPTOR ADAPTER PROTEIN (TIRAP)  
; FILE REFERENCE: 044574-5101US  
; CURRENT APPLICATION NUMBER: US/10/188,947  
; CURRENT FILING DATE: 2002-07-03  
; PRIOR APPLICATION NUMBER: 60/289,738  
; PRIOR FILING DATE: 2001-05-09  
; PRIOR APPLICATION NUMBER: 60/289,815  
; PRIOR FILING DATE: 2001-05-09  
; PRIOR APPLICATION NUMBER: 60/289,866  
; PRIOR FILING DATE: 2001-05-14  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: TIRAP/Antennapedia fusion protein  
; NAME/KEY: MISC FEATURE  
; OTHER INFORMATION: TIRAP/Antennapedia fusion protein  
; US-10-188-947-11

Query Match 64.2%; Score 95; DB 14; Length 30;  
Best Local Similarity 78.3%; Pred. No. 3.2e-06;  
Matches 18; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 2 RQIKWFQNRMRMKKKTALDASA 24  
DB 1 RQIKWFQNRMRMKKQLRDAA 23

## RESULT 14

US-10-408-765A-40  
 ; Sequence 40, Application US/10408765A  
 ; Publication No. US20040101874A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ghosh, Soumitra S.  
 ; APPLICANT: Fahy, Eoin D.  
 ; APPLICANT: Zhang, Bing  
 ; APPLICANT: Gibson, Bradford W.  
 ; APPLICANT: Taylor, Steven W.  
 ; APPLICANT: Glenn, Gary M.  
 ; APPLICANT: Warnock, Dale E.  
 ; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION  
 ; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME  
 ; FILE REFERENCE: 660088.465  
 ; CURRENT APPLICATION NUMBER: US/10/408,765A  
 ; CURRENT FILING DATE: 2003-04-04  
 ; NUMBER OF SEQ ID NOS: 3077  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 40  
 ; LENGTH: 153  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-408-765A-40

Query Match 64.2%; Score 95; DB 16; Length 153;  
 Best Local Similarity 72.0%; Pred. No. 1.6e-05;  
 Matches 18; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 DRQIKWPNRRMKWKKTALDASAL 25  
 :|||||:|||||:|  
 Db 100 ERQIKWPNRRMKWKESNLTSL 124

## RESULT 15

US-10-116-275-190  
 ; Sequence 190, Application US/10116275  
 ; Publication No. US20030211476A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Elan Pharmaceutical Technology  
 ; APPLICANT: O'Mahony, Daniel J.  
 ; APPLICANT: Brayden, David  
 ; APPLICANT: Byrne, Daragh  
 ; APPLICANT: Lambkin, Imelda  
 ; APPLICANT: Higgins, Lisa  
 ; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and  
 ; TITLE OF INVENTION: Compositions Targeting Peyer's Patches and M Cell Receptors  
 ; FILE REFERENCE: E1067/20087  
 ; CURRENT APPLICATION NUMBER: US/10/116,275  
 ; CURRENT FILING DATE: 2002-10-04  
 ; NUMBER OF SEQ ID NOS: 349  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 190  
 ; LENGTH: 269  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-116-275-190

Query Match 63.9%; Score 94.5; DB 15; Length 269;  
 Best Local Similarity 67.9%; Pred. No. 3.3e-05;  
 Matches 19; Conservative 3; Mismatches 5; Indels 1; Gaps 1;

Qy 1 DRQIKWPNRRMKWK-K-TALDASALQT 27  
 :|||||:|||||:|:|  
 Db 235 ERQIKWPNRRMKWKDKLKSLSLAT 262

Search completed: September 23, 2004, 22:47:16  
 Job time : 152.711 secs

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